Section	Ratio ID	Ratio name	Formula	No of DP	Unit	Numerator description	Numerator	Denominator description	Denominator	Is it Key?
Key Ratios										
Linking property to business	042C01S03R09	HEP income per metre² of net internal area	A/(B-C)	0	£	Finance.Income.HESA supplied total income	F_FIIT	SpaceMeasurement.NetInte rnalArea.Total NIA minus SpaceMeasurement.NetInte rnalArea.Total NIA commercial space	F_XUP_SMNIAT - F_XUP_SMNIACT	Y
Analysis of maintenance	042C01S06R18	Maintenance costs per metre² of gross internal area	A/(B-C)	2	£	Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs	F_FRMCT	SpaceMeasurement.GrossIn ternalArea.Total GIA minus SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIAT - F_SMGIACT	Υ
Energy costs, consumption and emissions	042C01S07R16	Energy costs per metre² of gross internal area	A/(B-C)	2	£	Finance.EnergyCosts.Total energy costs	F_FECTOT	SpaceMeasurement.GrossIn ternalArea.Total GIA minus SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIAT - F_SMGIACT	Y
Water costs and consumption	042C01S08R05	Water consumption per student and staff FTE	A/(B+(C- D))	2		EnvironmentEnergyEmissionsand Waste.WaterConsumption.Total water consumption	F_EWCONTOT	StudentStaffCounts.Student FTE.Total student FTE plus (StudentStaffCounts.StaffFT E.Total staff FTE minus StudentStaffCounts.StaffFTE .Residential staff FTE)	(F_STFTET + (F_SFFTET - F_SFRFTET))	Υ
Water costs and consumption	042C01508R08	Water consumption per HE student and staff FTE	A/(B+C+(D-E))	2		EnvironmentEnergyEmissionsand Waste.WaterConsumption.Total water consumption	F_EWCONTOT	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus (StudentStaffCounts.StaffFT E.Total staff FTE minus StudentStaffCounts.StaffFTE .Residential staff FTE)	(F_STFTETE + F_STFTERE + (F_SFFTET - F_SFRFTET))	Υ
Waste	042C01S09R04	Waste mass per student and staff FTE	A/(B+(C- D))	3		EnvironmentEnergyEmissionsand Waste.WasteMass.Total waste mass	F_EWMT	StudentStaffCounts.Student FTE.Total student FTE plus (StudentStaffCounts.StaffFT E.Total staff FTE minus StudentStaffCounts.StaffFTE .Residential staff FTE)	(F_STFTET + (F_SFFTET - F_SFRFTET))	Y
Waste	042C01S09R06	Waste mass per HE student and staff FTE	A/(B+C+(D-E))			EnvironmentEnergyEmissionsand Waste.WasteMass.Total waste mass		StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus (StudentStaffCounts.StaffFT E.Total staff FTE minus StudentStaffCounts.StaffFTE Residential staff FTE	F_STFTERE + (F_SFFTET - F_SFRFTET))	Υ
Space allocation	042C13S02R12	Gross internal area in metre ² per student and staff full-time equivalent (FTE)	A/(B+(C- D))	1	m²	SpaceMeasurement.GrossIntern alArea.Non-residential GIA	F_SMGIANR	StudentStaffCounts.Student FTE.Total student FTE plus (StudentStaffCounts.StaffFT E.Total staff FTE minus StudentStaffCounts.StaffFTE .Residential staff FTE)	(F_STFTET + (F_SFFTET - F_SFRFTET))	Y
Space allocation	042C13S02R13	Gross internal area in metre ² per HE student and staff full-time equivalent (FTE)	A/(B+C+(D- E))	1	m²	SpaceMeasurement.GrossIntern alArea.Non-residential GIA	F_SMGIANR	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus (StudentStaffCounts.StaffFT E.Total staff FTE minus StudentStaffCounts.StaffFTE E.Residential staff FTE)	(F_STFTETE + F_STFTERE + (F_SFFTET - F_SFRFTET))	¥

Condition and suitability		Building condition as percentage of gross internal area Condition A and B	A+B	1	%	BuildingsandFunctionality.ConditionAssessmentDefinition.Non-residential Building Condition Assessment Condition A plus BuildingsandFunctionality.ConditionAssessmentDefinition.Non-residential Building Condition Assessment Condition B	F_BNRADCA + F_BNRADCB			Y
Condition and suitability	042C13S03R07	Proportion of space with functional suitability grades 1 and 2	A+B	1	%	BuildingsandFunctionality.FunctionalSuitability.Non-residential functional suitability grade 1 plus BuildingsandFunctionality.FunctionalSuitability.Non-residential functional suitability grade 2	F_BNRFSG1 + F_BNRFSG2			Y
Condition and suitability	042C13S03R08	Cost to upgrade condition C and D to B as a proportion of total non- residential income	(100*(A+B))/C	1	%	BuildingsandFunctionality.Condit ionAssessmentUpgradeCost.Non-residential building Condition Assessment cost to upgrade Condition D to B plus BuildingsandFunctionality.Condit ionAssessmentUpgradeCost.Non-residential Building Condition Assessment cost to upgrade Condition C to B	_	Finance.Income.HESA supplied non-residential income total	F_FINRIT	Y
Linking property to business	042C13S05R01	Ratio of total Property costs to HEP income	A/B	3		Finance.PropertyCosts.Non- residential property costs	F_FNRPCO	Finance.Income.HESA supplied non-residential income total	F_FINRIT	Υ
Linking property to business	042C13S05R17	Insurance replacement value as a percentage of Non-residential income	(100*A)/B	1	%	BuildingsandFunctionality.Insura nceReplacementValue.Non- residential insurance replacement value	F_BNRIRV	Finance.Income.HESA supplied non-residential income total	F_FINRIT	Y
Utilisation ratios	042C13S06R01	Total non-residential net internal area per student FTE	A/(B+C+D)	1		SpaceMeasurement.NetInternal Area.Non-residential NIA total	F_XUP_SMNIA NRT	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE	Y
Total property costs	042C13S07R01	Total property costs per metre² of net internal area	A/B	2	£	Finance.PropertyCosts.Non- residential property costs	F_FNRPCO	SpaceMeasurement.NetInte rnalArea.Non-residential NIA total	F_XUP_SMNIANR T	Υ
Total property costs	042C13S07R03	Total property costs per student FTE	A/(B+C+D)		£	Finance.PropertyCosts.Non- residential property costs	F_FNRPCO	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTERE + F_STFTEFE	Y
Analysis of maintenance	042C13S09R15	Expenditure on major and minor capital works and recurrent repairs and maintenance as a percentage of insurance replacement value	(100*(A+B))/C	2	%	Finance.CapitalExpenditureBuildi ngs.HESA supplied non- residential capital expenditure buildings plus Finance.RepairsandMaintenance Costs.HESA supplied repairs and maintenance costs other operating expenses	F_FNRCEX + F_FRMCOOE	BuildingsandFunctionality.In suranceReplacementValue. Non-residential insurance replacement value	F_BNRIRV	Y
Energy costs, consumption and emissions	042C13S10R13	Scope 1 and 2 carbon emissions per HEP total non-residential income	A/(10*B)	2		EnvironmentEnergyEmissionsand Waste.Scope1and2CarbonEmissi ons.Non-residential scope 1 and 2 carbon emissions total	F_E12CENRT	Finance.Income.HESA supplied non-residential income total	F_FINRIT	Υ
Energy costs, consumption and emissions	042C13S10R14	Scope 1 and 2 carbon emissions per student and staff full-time equivalent (FTE)	A/(1000*(B+(C-D)))	1		EnvironmentEnergyEmissionsand Waste.Scope1and2CarbonEmissi ons.Non-residential scope 1 and 2 carbon emissions total	F_E12CENRT	StudentStaffCounts.Student FTE.Total student FTE plus (StudentStaffCounts.StaffFT E.Total staff FTE minus StudentStaffCounts.StaffFTE .Residential staff FTE)	(F_STFTET + (F_SFFTET - F_SFRFTET))	Υ

Energy costs,	042C13S10R18	Scope 1 and 2 carbon	A/(1000*(1		EnvironmentEnergyEmissionsand	F_E12CENRT	StudentStaffCounts.Student	(F_STFTETE +	Υ
consumption and emissions		emissions per HE student and staff full-time equivalent (FTE)	B+C+(D- E)))			Waste.Scope1and2CarbonEmissi ons.Non-residential scope 1 and 2 carbon emissions total		FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus (StudentStaffCounts.StaffFT E.Total staff FTE minus StudentStaffCounts.StaffFTE StudentStaffCounts.StaffFTE	F_STFTERE + (F_SFFTET - F_SFRFTET))	
Linking property to business	042C14S04R05	HEP income per bedspace	(A+B)/C	2	£	Finance.Income.HESA supplied residences income plus Finance.Income.HESA supplied	F_FIRESI + F_FICATI	.Residential staff FTE) SpaceMeasurement.Numbe rofBedSpaces.Residential number of bed spaces	F_SMRNBS	Y
Utilisation ratios	042C14S05R06	Total property costs per bedspace	A/B	2	£	catering income Finance.PropertyCosts.Residenti al property costs	F_FRPCO	SpaceMeasurement.Numbe rofBedSpaces.Residential number of bed spaces	F_SMRNBS	Y
Total HEP										
Estate structur	·e									
Estate structure	042C01S01R04	Total non-residential net internal area as percentage of total net internal area	(100*A)/B	1	%	SpaceMeasurement.NetInternal Area.Non-residential NIA total	F_XUP_SMNIA NRT	SpaceMeasurement.NetInte rnalArea.Total NIA	F_XUP_SMNIAT	N
Estate structure	042C01S01R07		A/B	3		SpaceMeasurement.NetInternal Area.Total NIA commercial space	F_XUP_SMNIA CT	SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIACT	N
Estate structure	042C01S01R08	Listed building coverage as percentage of gross internal area commercial space	(100*A)/B	1	%	BuildingsandFunctionality.Listed Building Coverage.Total listed building coverage	F_BLBCT	SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIACT	N
Estate structure	042C01S01R09	Ratio of net internal area to gross internal area	(A-B)/(C- D)	3		SpaceMeasurement.NetInternal Area.Total NIA minus SpaceMeasurement.NetInternal Area.Total NIA commercial space	F_XUP_SMNIA T - F_XUP_SMNIA CT	SpaceMeasurement.GrossIn ternalArea.Total GIA minus SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIAT - F_SMGIACT	N
	liture and value	I	1.10	I.a	I.	legit is a large	E DEIDL		5 61 4614 67	
Capital expenditure and value	042C01S02R07	Insurance replacement value per metre² of gross internal area commercial space	A/B	2	£	BuildingsandFunctionality.Insura nceReplacementValue.Total insurance replacement value	F_BTIRV	SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIACT	N
Linking proper		la er er er	1.10	la.		le: 0 .0		le: , uses		
Linking property to business	042C01S03R01	Ratio of total property costs to HEP income	A/B	3		Finance.PropertyCosts.Total property costs	F_FTPCO	Finance.Income.HESA supplied total income	F_FIIT	N
Linking property to business	042C01S03R02	Ratio of total property costs to HEP Expenditure	A/B	3		Finance.PropertyCosts.Total property costs	F_FTPCO	Finance.Expenditure.HESA supplied total expenditure	F_FEXPT	N
Linking property to business	042C01503R06	Total backlog affordability score	A/(B+C+D +E)	2		Finance.Income.HESA supplied total income	F_FIIT	Buildingsandfunctionality.ConditionAssessmentUpgrade Cost. Non-residential building condition assessment cost to upgrade condition D to B plus Buildingsandfunctionality.ConditionAssessmentUpgrade Cost.Non-residential building condition assessment cost to upgrade condition C to B plus Buildingsandfunctionality.ConditionAssessmentUpgrade Cost.Residential building condition assessment cost to upgrade condition assessment cost to upgrade condition assessment cost to upgrade condition D to B plus Buildingsandfunctionality.ConditionAssessmentUpgrade Cost.Residential building condition assessment cost to upgrade condition assessment cost to upgrade condition D to B plus Buildingsandfunctionality.ConditionAssessmentUpgrade Cost.Residential building condition assessment cost to upgrade condition C to B	F_BNRAUDB + F_BNRAUCB + F_BRAUDB + F_BRAUCB	N
Linking property to business	042C01S03R08	Capital expenditure as % of HEP Income	(100*A)/B		%	Finance.CapitalExpenditureBuildi ngs.HESA supplied total capital expenditure buildings	F_FCEXT	Finance.Income.HESA supplied total income	F_FIIT	N
Linking property to business	042C01S03R10	Total income per metre² of gross internal area	A/(B-C)	2	£	Finance.Income.HESA supplied total income	F_FIIT	SpaceMeasurement.GrossIn ternalArea.Total GIA minus SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIAT - F_SMGIACT	N

Total property		T-4-1 : :	A // 2 . 5 . = :	0	l c	Fig. 1. 2. 1		Children (Co. 1971)	r crerer	
costs	042C01S04R03	Total property costs per student FTE	A/(B+C+D)	0	£	Finance.PropertyCosts.Total property costs	F_FTPCO	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTERE + F_STFTERE + F_STFTEFE	N
Total property costs	042C01S04R09	Total property costs per metre² of net internal area	A/(B-C)	0	£	Finance.PropertyCosts.Total property costs	F_FTPCO	SpaceMeasurement.NetInte rnalArea.Total NIA minus SpaceMeasurement.NetInte rnalArea.Total NIA commercial space	F_XUP_SMNIAT - F_XUP_SMNIACT	N
costs	042C01S04R10	Total property costs per metre² of gross internal area	A/(B-C)	2	£	Finance.PropertyCosts.Total property costs	F_FTPCO	SpaceMeasurement.GrossIn ternalArea.Total GIA minus SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIAT - F_SMGIACT	N
Component revenue costs	042C01S05R02	Operating costs per student FTE	(A+B+C+D +E+F)/(G+ H+I)	0	£	Finance.InsurancePremiumsandC ontributions.Total insurance premiums and contributions plus Finance.NetServiceChargeandMi scellaneousPFlandPPPCosts.Total net service charge and miscellaneous PFl and PPP costs plus Finance.EnergyCosts.Total energy costs plus Finance.WaterandSewerageCost s.Total water and sewerage costs plus Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs plus Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs plus Finance.CleaningCosts.Total cleaning costs	F_FNSCTM + F_FECTOT + F_FWSCT + F_FRMCT +	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE	N
Component revenue costs	042C01S05R10	Operating costs per metre² of net internal area	(A+B+C+D +E+F)/(G- H)	0	£	Finance.InsurancePremiumsandC ontributions.Total insurance premiums and contributions plus Finance.NetServiceChargeandMi scellaneousPFlandPPPCosts.Total net service charge and miscellaneous PFl and PPP costs plus Finance.EnergyCosts.Total energy costs plus Finance.WaterandSewerageCost s.Total water and sewerage costs plus Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs plus Finance.CeaningCosts.Total cleaning costs	F_FNSCTM + F_FECTOT + F_FWSCT + F_FRMCT +	SpaceMeasurement.NetInte rnalArea.Total NIA minus SpaceMeasurement.NetInte rnalArea.Total NIA commercial space	F_XUP_SMNIAT- F_XUP_SMNIACT	N
Component revenue costs	042C01S05R11	Cleaning costs per metre² of net internal area	A/(B-C)	2	£	Finance.CleaningCosts.Total cleaning costs	F_FCCT	SpaceMeasurement.NetInte rnalArea.Total NIA minus SpaceMeasurement.NetInte rnalArea.Total NIA commercial space	F_XUP_SMNIAT - F_XUP_SMNIACT	N
Component revenue costs	042C01S05R12	Total cleaning costs per metre² of gross internal area	A/(B-C)	2	£	Finance.CleaningCosts.Total cleaning costs	F_FCCT	SpaceMeasurement.GrossIn ternalArea.Total GIA minus SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIAT - F_SMGIACT	N
Analysis of mai Analysis of maintenance	o42C01S06R08	Grounds maintenance costs per grounds area	A/B	0	£	Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs grounds	F_FRMCGT	SpaceMeasurement.Ground sArea.Total grounds area	F_SMGAT	N
Analysis of maintenance	042C01S06R09	Playing fields maintenance costs per playing fields area	A/B	0	£	Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs playing fields	F_FRMCPFT	SpaceMeasurement.PlyingFi eldsArea.Total playing fields area	F_SMPFAT	N

Analysis of maintenance	042C01S06R15	Maintenance costs per metre² of gross internal area commercial space	A/B	2	£	Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs	F_FRMCT	SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIACT	N
Analysis of maintenance	042C01S06R16	% of HEPs' income spent on repairs and maintenance	(100*A)/B	1	%	Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs	F_FRMCT	Finance.Income.HESA supplied total income	F_FIIT	N
Analysis of maintenance	042C01S06R17	Ratio of maintenance costs and capital expenditure to insurance replacement value	(A+B)/C	1		Finance.CapitalExpenditureBuildi ngs.HESA supplied total capital expenditure buildings plus Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs	F_FCEXT + F_FRMCT	BuildingsandFunctionality.In suranceReplacementValue.T otal insurance replacement value	F_BTIRV	N
	onsumption and e						T	T	1	1
Energy costs, consumption and emissions	042C01S07R02	Energy costs per 100 kWh consumption	(100*A)/B		£	Finance.EnergyCosts.Total energy costs	F_FECTOT	EnvironmentEnergyEmission sandWaste.EnergyConsump tion.Total energy consumption	F_EECTOT	N
Energy costs, consumption and emissions	042C01S07R03	Electricity costs per 100 kWh consumption	(100*A)/(B+C+D)	2	£	Finance.EnergyCosts.Total energy costs electricity	F_FECELET	EnvironmentEnergyEmission sandWaste.EnergyConsump tion.Energy consumption grid electricity plus EnvironmentEnergyEmission sandWaste.EnergyConsumption.Energy consumption electricity consumed from onsite CHP plus EnvironmentEnergyEmission sandWaste.EnergyConsumption.Energy consumption.Energy consumption onsite photovoltaic		N
Energy costs, consumption and emissions	042C01S07R04	Gas costs per 100 kWh consumption	(100*A)/(B+C+D+E)	2	£	Finance.EnergyCosts.Total energy costs gas	F_FECGAST	EnvironmentEnergyEmission sandWaste.EnergyConsumption.Energy consumption compressed natural gas plus EnvironmentEnergyEmission sandWaste.EnergyConsumption.Energy consumption liquefied natural gas plus EnvironmentEnergyEmission sandWaste.EnergyConsumption.Energy consumption natural gas excluding that used as input for a CHP unit plus EnvironmentEnergyEmission sandWaste.EnergyConsumption.E	F_EECCNGAS + F_EECLNGAS + F_EECNGSEX + F_EECNGCHP	N
Energy costs, consumption and emissions	042C01S07R05	Energy costs gas as percentage of total energy costs	(100*A)/B	1	%	Finance.EnergyCosts.Total energy costs gas	F_FECGAST	Finance.EnergyCosts.Total energy costs	F_FECTOT	N
Energy costs, consumption and emissions	042C01S07R06	Energy costs electricity as percentage of total energy costs	(100*A)/B	1	%	Finance.EnergyCosts.Total energy costs electricity	F_FECELET	Finance.EnergyCosts.Total energy costs	F_FECTOT	N
Energy costs, consumption and emissions	042C01S07R08	Energy consumption kWh per student FTE				EnvironmentEnergyEmissionsand Waste.EnergyConsumption.Total energy consumption		StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTERE + F_STFTEFE	N
Energy costs, consumption and emissions	042C01S07R11	Notional energy emissions (kg CO ₂ e) per student FTE	A/(B+C+D)	0		EnvironmentEnergyEmissionsand Waste_Scope1and2CarbonEmissi ons.Total scope 1 and 2 carbon emissions	F_E12CET	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE	_	N

Energy costs, consumption and emissions	042C01S07R13	Energy costs per metre² of gross internal area commercial space	A/B	2	£	Finance.EnergyCosts.Total energy costs	F_FECTOT	SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIACT	N
Energy costs, consumption and emissions	042C01S07R14	Notional energy emissions (kg CO ₂ e) per metre² of gross internal area commercial space	A/B	0		EnvironmentEnergyEmissionsand Waste.Scope1and2CarbonEmissi ons.Total scope 1 and 2 carbon emissions	F_E12CET	SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIACT	N
Energy costs, consumption and emissions	042C01S07R15	Energy consumption kWh per metre² of gross internal area commercial space		0		EnvironmentEnergyEmissionsand Waste.EnergyConsumption.Total energy consumption	F_EECTOT	SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIACT	N
Energy costs, consumption and emissions	042C01S07R17	Energy consumption kWh per metre² of gross internal area		0		EnvironmentEnergyEmissionsand Waste.EnergyConsumption.Total energy consumption	F_EECTOT	SpaceMeasurement.GrossIn ternalArea.Total GIA minus SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIAT - F_SMGIACT	N
Energy costs, consumption and emissions	042C01S07R18	Notional energy emissions (kg CO ₂ e) per metre² of gross internal area	A/(B-C)	0		EnvironmentEnergyEmissionsand Waste.Scope1and2CarbonEmissi ons.Total scope 1 and 2 carbon emissions	F_E12CET	SpaceMeasurement.GrossIn ternalArea.Total GIA minus SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIAT - F_SMGIACT	N
	d consumption				Ι.	T		T-		_
Water costs and consumption	042C01S08R06	Water and sewerage costs per metre² of gross internal area commercial space		2	£	Finance.WaterandSewerageCost s.Total water and sewerage costs	F_FWSCT	SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space		N
Water costs and consumption	042C01S08R07	Water consumption (metre³) per metre² of gross internal area commercial space	A/B	1		EnvironmentEnergyEmissionsand Waste.WaterConsumption.Total water consumption	F_EWCONTOT	SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIACT	N
Water costs and consumption	042C01S08R09	Water and sewerage costs per metre² of gross internal area		2	£	Finance.WaterandSewerageCost s.Total water and sewerage costs	F_FWSCT	SpaceMeasurement.GrossIn ternalArea.Total GIA minus SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIACT	N
Water costs and consumption	042C01S08R10	Water consumption (metre³) per metre² of gross internal area	A/(B-C)	1		EnvironmentEnergyEmissionsand Waste.WaterConsumption.Total water consumption	F_EWCONTOT	SpaceMeasurement.GrossIn ternalArea.Total GIA minus SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIAT - F_SMGIACT	N
Waste	•			•			•		•	•
Waste	042C01S09R01	Waste mass (tonnes) per student FTE	A/(B+C+D)	3		EnvironmentEnergyEmissionsand Waste.WasteMass.Total waste mass	F_EWMT	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE	N
Waste	042C01S09R03	Recycled waste proportion	(100*A)/B	1	%	EnvironmentEnergyEmissionsand Waste.WasteMass.Total waste mass recycled	F_EWMRECT	EnvironmentEnergyEmission sandWaste.WasteMass.Tot al waste mass	F_EWMT	N
Waste	042C01S09R05	Waste mass (tonnes) per metre² gross internal area commercial space	A/B	3		EnvironmentEnergyEmissionsand Waste.WasteMass.Total waste mass	F_EWMT	SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIACT	N
Waste	042C01S09R07	Waste mass (tonnes) per metre² gross internal area	A/(B-C)	3		EnvironmentEnergyEmissionsand Waste.WasteMass.Total waste mass	F_EWMT	SpaceMeasurement.GrossIn ternalArea.Total GIA minus SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIAT - F_SMGIACT	N
Property mana		Evtornal Branart	/100*4\//	11	0/	Finance Externally Decided albu	E EEDDAACT	Einanco Internallala 12	E EUDAACT :	l NI
Property Management	042C01S10R02	External Property Management costs as percentage of Total Property Management	(100*A)/(B+C)	1	%	Finance.ExternallyProvidedPrope rtyManagementCosts.Total externally-provided property management costs	F_FEPPMCT	Finance.InternallyIncurredPr opertyManagementCosts.T otal Internally-incurred property management costs plus Finance.ExternallyProvidedP	F_FIIPMCT + F_FEPPMCT	N
costs		costs						ropertyManagementCosts.T otal Externally-provided property management costs		
	dential							ropertyManagementCosts.T otal Externally-provided		
costs								ropertyManagementCosts.T otal Externally-provided		
Costs Total non-resid			А/В	3		SpaceMeasurement.NetInternal	F_XUP_SMNIA	ropertyManagementCosts.T otal Externally-provided property management costs	F_SMGIANR	N

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Estate structure	042C13S01R07	Tenure as percentage of gross internal area freehold/long-leasehold	A+B	1	%	BuildingsandFunctionality.Tenure .Non-residential tenure freehold plus BuildingsandFunctionality.Tenure .Non-residential tenure long leasehold	F_BNRTLL			N
Estate structure	042C13S01R08	Construction date as percentage of gross internal area Pre-1940	A+B+C	1	%	BuildingsandFunctionality.ConstructionDate.Non-residential construction date 1915-1939 plus BuildingsandFunctionality.ConstructionDate.Non-residential construction date 1840-1914 plus BuildingsandFunctionality.ConstructionDate.Non-residential construction date before 1840	F_BNRD1915 + F_BNRD1840 + F_BNRB1840			N
Estate structure	042C13S01R09	Construction date as percentage of gross internal area built since 1980	A+B	1	%	BuildingsandFunctionality.ConstructionDate.Non-residential construction date 1980-1999 plus BuildingsandFunctionality.ConstructionDate.Non-residential construction date since 2000	F_BNRD1980 + F_BNRD2000			N
Estate structure	042C13S01R10	Proportion of teaching area centrally timetabled	A	1	%	BuildingsandFunctionality.Percen tageofNetInternalAreaUsedForTi meTabledTeaching.Teaching not offices percentage of all NIA used for time-tabled teaching	F_BNIATE			N
Estate structure	042C13S01R11	Listed building coverage as percentage of gross internal area	(100*A)/B	1	%	BuildingsandFunctionality.Listed BuildingCoverage.Non- residential listed building coverage	F_BNRLBC	SpaceMeasurement.GrossIn ternalArea.Non-residential GIA	F_SMGIANR	N
Space allocatio		l=	(400*4)/0	1.	0.4	la	- vuo caasua	la	le was commons.	
Space allocation	042C13S02R01	Teaching net internal area as percentage of total net internal area	(100*A)/B		%	SpaceMeasurement.NetInternal Area.Teaching NIA total	F_XUP_SMNIA TET	SpaceMeasurement.NetInte rnalArea.Non-residential NIA total	Т	N
Space allocation	042C13S02R02	Research net internal area as percentage of total net internal area	(100*A)/B	1	%	SpaceMeasurement.NetInternal Area.Research NIA total	F_XUP_SMNIA RET	SpaceMeasurement.NetInte rnalArea.Non-residential NIA total	F_XUP_SMNIANR T	N
Space allocation	042C13S02R03	Support net internal area as percentage of total net internal area	(100*A)/B	1	%	SpaceMeasurement.NetInternal Area.Support NIA total	F_XUP_SMNIA ST	SpaceMeasurement.NetInte rnalArea.Non-residential NIA total	F_XUP_SMNIANR T	N
Space allocation	042C13S02R04	Other net internal area as percentage of total net internal area	(100*A)/B	1	%	SpaceMeasurement.NetInternal Area.Non-residential NIA other	F_XUP_SMNIA NRO	SpaceMeasurement.NetInte rnalArea.Non-residential NIA total	F_XUP_SMNIANR T	N
Space allocation	042C13S02R05	Vacant net internal area as percentage of total net internal area	(100*A)/B	1	%	SpaceMeasurement.NetInternal Area.Non-residential NIA vacant	F_XUP_SMNIA NRV	SpaceMeasurement.NetInte rnalArea.Non-residential NIA total	F_XUP_SMNIANR T	N
Space allocation	042C13S02R06	Office net internal area as percentage of total net internal area	(100*(A+B +C))/D		%	SpaceMeasurement.NetInternal Area.Teaching offices NIA plus SpaceMeasurement.NetInternal Area.Research offices NIA plus SpaceMeasurement.NetInternal Area.Support offices NIA	F_XUP_SMNIA TEO + F_XUP_SMNIA REO + F_XUP_SMNIA SO	rnalArea.Non-residential NIA total	T	N
Space allocation	042C13S02R08	Specialist academic area as percentage of all academic net internal area	(100*A)/(B+C)	1	%	SpaceMeasurement.SpecialistAc ademicArea.Total specialist academic area	F_XUP_SMSA A	SpaceMeasurement.NetInte rnalArea.Research not offices NIA plus SpaceMeasurement.NetInte rnalArea.Teaching not offices NIA	F_XUP_SMNIARE + F_XUP_SMNIATE	N
Space allocation	042C13S02R09	Specialist teaching net internal area as percentage of core	(100*A)/B	1	%	SpaceMeasurement.SpecialistAc ademicArea.Teaching not offices specialist academic area	F_XUP_SMTES AA	SpaceMeasurement.NetInte rnalArea.Teaching not offices NIA	F_XUP_SMNIATE	N
Space allocation	042C13S02R10	teaching space Specialist research net internal area as percentage of core research space	(100*A)/B		%	SpaceMeasurement.SpecialistAc ademicArea.Research not offices specialist academic area	F_XUP_SMRES AA	SpaceMeasurement.NetInte rnalArea.Research not offices NIA		N
Space allocation	042C13S02R11	Learning centre net internal area as percentage of support net internal area	(100*A)/B	1	%	SpaceMeasurement.NetInternal Area.Support NIA learning centre space	F_XUP_SMNIA LC	SpaceMeasurement.NetInte rnalArea.Support NIA total	F_XUP_SMNIAST	N
Condition and Condition and Suitability	042C13S03R02	Building condition as percentage of gross internal area Condition D	А	1	%	BuildingsandFunctionality.Condit ionAssessmentDefinition.Non- residential building condition assessment condition D	F_BNRADCD			N

continion C and D is Na a junction processing of provincing of provincin			•	•	•			1	1		
autobility and a property to Control operations and value control of the property of the control operation of the property of the property of the control operation of the property	suitability	042C13S03R04	condition C and D to B as percentage of insurance replacement value))/c		%	residential building condition assessment cost to upgrade condition D to B plus BuildingsandFunctionality.Condit ionAssessmentUpgradeCost.Non-residential building condition assessment cost to upgrade condition C to B	F_BNRAUCB	Non-residential insurance replacement value		
Capital progrey to business Family Capital property to cost Family Capital property to business Family	Condition and suitability	042C13S03R06		A/(B+C)	1			F_FINRIT	ConditionAssessmentUpgradeCost.Non-residential building condition assessment cost to upgrade condition C to B plus BuildingsandFunctionality. ConditionAssessmentUpgradeCost.Non-residential building condition assessment cost to upgrade	_	N
supenditure value per metre@at178; residential instance reglecement value regl	Capital expend	liture and value									
Linking property to business PENNEY State of total property to business PENNEY State PENNEY State PENNEY Supplied non-residential property to business PENNEY State PENNEY Supplied research PENNEY State PENNEY PENNEY State PENNEY PENNEY State PENNEY State PENNEY PENNEY	Capital expenditure and value	042C13S04R01	value per metre²	A/B	2	£	nceReplacementValue.Non- residential insurance	F_BNRIRV	ternalArea.Non-residential	F_SMGIANR	N
MEP Income per student A/Bs-C-10 2 E Finance Income HESA supplied FINRET FIE-HESA supplied reaching FISTER + Student FTE July StudentSalfCounts Student FISTER + STUDENT FIE-HESA supplied reaching FISTER + STUDENT FIE-HESA supplied FISTER + STUDENT FISTER + STUDENT FIE-HESA supplied FISTER + STUDENT FIE-HESA supplied FISTER + STUDENT FIE-HESA supplied FISTER + STUDENT F	Linking property to			A/B	3			F_FNRPCO	supplied non-residential	F_FENREXP	N
Linking property to business p	Linking property to business	042C13S05R03	·	A/(B+C+D)	2	£		F_FINRIT	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student	F_STFTERE +	N
property to business increal area composed business increal area composed business increal area	Linking property to business	042C13S05R04	metre² of net	A/B	2	£		F_FINRIT	rnalArea.Non-residential	F_XUP_SMNIANR T	N
property to business	property to business		metre² of net internal area				teaching income		rnalArea.Teaching NIA total	Т	
Intring O42C13SOSR15 Capital expenditure as % O42C13SOSR18 Capital expenditure as % O42C13SOSR18 O42C13SOSR02 Academic space per student FTE O42C13SOSR02 Academic space per student FTE O42C13SOSR03 Core teaching space per student FTE O42C13SOSR03 Core t	property to business		metre² of net internal area				research income		rnalArea.Research NIA total	Т	
December 178; of gross internal area December 178; of gross internal area December 178; of gross internal area	property to business		metre² of net internal area				other non-residential income		rnalArea.Non-residential NIA other	0	
property to business Internal area Inking property to business Inking property to busi	Linking property to business	042C13S05R13	per metre² of gross	A/B	2	£		F_FINRIT	ternalArea.Non-residential	F_SMGIANR	N
property to business metre² of gross internal area metre² of gross metre² of gross internal area A/B 2 £ Finance.Income.HESA supplied other non-residential income gross internal area other non-residential income finance.Income.HESA supplied other non-residential income finance.Income.HESA supplied non-residential finance.Income.HESA finance.Income.HESA supplied non-residential finance.Income.HESA supplied non-reside	Linking property to business	042C13S05R14	metre² of gross internal area						ternalArea.Non-residential		N
property to business lincome per metre² of gross internal area lincome per metre² of gross internal angle per lincome per metre² of gross internal area lincome per metre² of gross internal area lincome per metre² of gross internal algebra lincome per metre& per lincome per metre² of gross internal algebra lincome per metre& per lincome per lincom	property to business		metre² of gross internal area				research income		ternalArea.Non-residential GIA		
property to business of HEP Income Ings.HESA supplied non-residential capital expenditure buildings Income total Income total Income total Willisation ratios Utilisation ratios Utilisation ratios Utilisation ratios Utilisation ratios O42C13506R02 Academic space per student FTE D+E) Area.Teaching NIA total plus F_XUP_SMNIA StudentStaffCounts.Student F_STFTERE + F_STFTERE + F_STFTERE + F_STFTERE + F_STFTERE + F_STFTERE F_STFTERE	Linking property to business	042C13S05R16	income per metre²	A/B	2	£		F_FINRIO	ternalArea.Non-residential	F_SMGIANR	N
Utilisation ratios Academic space per student FTE D+E) SpaceMeasurement.NetInternal Area. Teaching NIA total P_XUP_SMNIA F_XUP_SMNIA StudentStaffCounts. Student FTE F_XUP_SMNIA FTE N SpaceMeasurement.NetInternal F_XUP_SMNIA FTE N F_XUP_SMNIA FTE F_XUP_SMNIA FTE F_XUP_SMNIA FTE F_XUP_SMNIA FTE F_XUP_SMNIA FTE N F_XUP_SMNIA FTE F_XUP_SMNIA FTE N F_XUP_SMNIA FTE F_XUP_SMNIA FTE N F_XUP_SMNIA FTE F_XUP_SMNIA FTE N F_XUP_SMNIA FTE F_	Linking property to business	042C13S05R18		(100*A)/B	1	%	ngs.HESA supplied non- residential capital expenditure	F_FNRCEX	supplied non-residential	F_FINRIT	N
Utilisation 042C13S06R03 Core teaching space per ratios Core teaching space per taught student FTE A/B 1 SpaceMeasurement.NetInternal Area.Teaching not offices NIA TE FTE.HESA supplied teaching FSTFTETE N	Utilisation				1		SpaceMeasurement.NetInternal Area.Teaching NIA total plus SpaceMeasurement.NetInternal	TET + F_XUP_SMNIA	FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student	F_STFTERE +	N
		042C13S06R03		A/B	1		1 · ·		StudentStaffCounts.Student FTE.HESA supplied teaching	F_STFTETE	N

Utilisation ratios	042C13S06R04	Academic office net internal area per academic staff FTE	(A+B)/(C)	1		SpaceMeasurement.NetInternal Area.Teaching offices NIA plus SpaceMeasurement.NetInternal Area.Research offices NIA	F_XUP_SMNIA TEO + F_XUP_SMNIA REO	StudentStaffCounts.StaffFTE .Total teaching and research staff FTE	F_SFTERET	N
Utilisation ratios	042C13S06R05	Support office net internal area per support office staff FTE	A/B	1		SpaceMeasurement.NetInternal Area.Support offices NIA	F_XUP_SMNIA SO	StudentStaffCounts.StaffFTE .Support offices staff FTE	F_SSFTEOF	N
Utilisation ratios	042C13S06R06	Frequency rate teaching space	А	1	%	SpaceMeasurement.FrequencyR ate.Teaching not offices frequency rate percentage	F_SMTEFRP			N
Utilisation ratios	042C13S06R07	Occupancy rate teaching space	А	1	%	SpaceMeasurement.OccupancyR ate.Teaching not offices occupancy rate percentage	F_SMORTEP			N
Utilisation ratios	042C13S06R08	Utilisation rate teaching space	(A*B)/100 00	3		Teaching not offices frequency rate percentage multiplied by Teaching not offices occupancy rate percentage	F_SMTEFRP * F_SMORTEP		10000	N
Utilisation ratios	042C13S06R09	Frequency rate coverage as percentage of core teaching net internal area	(100*A)/B	1	%		F_SMTESUS	SpaceMeasurement.NetInte rnalArea.Teaching not offices NIA	F_XUP_SMNIATE	N
Utilisation ratios	042C13S06R11	Catering net internal area per student FTE	A/(B+C+D)	1		SpaceMeasurement.NetInternal Area.Support NIA associated with catering	F_XUP_SMNIA CS	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE	N
Utilisation ratios	042C13S06R15	Learning centre net internal area per student FTE	A/(B+C+D)	1		SpaceMeasurement.NetInternal Area.Support NIA learning centre space	F_XUP_SMNIA LC	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE	N
Total property							1			
Total property costs	042C13S07R10	Non-residential property costs per metre² of gross internal area	A/B	2	£	Finance.PropertyCosts.Non- residential property costs	F_FNRPCO	SpaceMeasurement.GrossIn ternalArea.Non-residential GIA	F_SMGIANR	N
Component re	venue costs									
Component revenue costs	042C13S08R01	Non-residential operating costs per metre² of net internal area		2	£	Finance.InsurancePremiumsandC ontributions.Non-residential insurance premiums and contributions plus Finance.NetServiceChargeandMi scellaneousPFlandPPPCosts.Non-residential net service charge and miscellaneous PFI and PPP costs plus Finance.EnergyCosts.Non-residential energy costs total plus Finance.WaterandSewerageCost s.Non-residential water and sewerage costs total plus Finance.RepairsandMaintenance Costs.Non-residential repairs and maintenance costs total plus Finance.CleaningCosts.Non-residential repairs and maintenance costs total plus Finance.CleaningCosts.Non-residential cleaning costs total	F_FNRNSCM + F_FNRECTOT + F_FNRWSCT + F_FNRRMCT +	SpaceMeasurement.NetInte rnalArea.Non-residential NIA total	IF_XUP_SMNIANR T	N

component outs costs per placed PTL chil/file costs per placed PTL chil/file chi	-		I		1_	1_	1_, .		z. , .z	I	
merteeBal 7.8 of net internal area or component of 2015/308811 internal cleaning costs and internal cleaning costs per netreeBal 7.8 of net internal readure of cleaned of component of 2015/308814 internal cleaning costs and per netreeBal 7.8 of readure of cleaned	Component revenue costs	U42C13S08R02		+E+F)/(G+	12	I E	ontributions.Non-residential insurance premiums and contributions plus Finance.NetServiceChargeandMi scellaneousPFlandPPPCosts.Non-residential net service charge and miscellaneous PFI and PPP costs plus Finance.EnergyCosts.Non-residential energy costs total plus Finance.WaterandSewerageCost s.Non-residential water and sewerage costs total plus Finance.RepairsandMaintenance Costs.Non-residential repairs and maintenance costs total plus Finance.CleaningCosts.Non-	F_FNRNSCM + F_FNRECTOT + F_FNRWSCT + F_FNRRMCT +	FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student	F_STFTERE +	N
Component O42C13S08R11 internal cleaning costs per metres 8178; of raw cleaned Component O42C13S08R14 steep aid as percentage (\$100^4A)/8 1	Component revenue costs	042C13S08R10	metre² of net	A/B	2	£		F_FNRCCT	rnalArea.Non-residential	F_XUP_SMNIANR T	N
Component O42C13508R14 Rates paid as percentage (100°A/B 1 % Finance. Rates Paid Non-residential property costs. Mon-residential property costs of fotolal property costs of total property costs of t	Component revenue costs	042C13S08R11	Internal cleaning costs per metre² of area	A/B	2	£		F_FNRCCIN	SpaceMeasurement.GrossIn ternalArea.Non-residential	F_SMNRGIAC	N
scellaneous PFI and PPP costs. Non- residential property costs Seclianeous PFI and PPP costs Prince Prin	Component revenue costs	042C13S08R14	Rates paid as percentage	(100*A)/B	1	%		F_FNRRP	Finance.PropertyCosts.Non-	F_FNRPCO	N
percentage of total property costs percentage	Component revenue costs	042C13S08R15	percentage of total	(100*A)/B	1	%	scellaneousPFIandPPPCosts.Non- residential net service charge and miscellaneous PFI and PPP	F_FNRNSCM		F_FNRPCO	N
revenue costs costs per metre² of gross internal area Analysis of maintenance Analysis of	Component revenue costs	042C13S08R16	percentage of total	(100*A)/B	1	%	Costs.Non-residential repairs and	F_FNRRMCT		F_FNRPCO	N
Analysis of maintenance costs per metre² of gross internal area Analysis of maintenance costs per metre² of gross internal area Analysis of maintenance Analys	Component revenue costs	042C13S08R17	costs per metre² of		2	£		F_FNRCCT	ternalArea.Non-residential	F_SMGIANR	N
Analysis of maintenance costs per metre² of gross internal area Analysis of maintenance costs per metre² of gross internal area Analysis of maintenance Analys	Analysis of ma	intenance								<u> </u>	
maintenance on repairs and maintenance on repairs and maintenance on repairs and maintenance ocsts total on residential repairs and maintenance ocsts total on residential repairs and maintenance ocsts and capital expenditure to insurance replacement value on repairs and maintenance ocsts and capital expenditure to insurance replacement value on repairs and maintenance ocsts total on residential capital expenditure buildings plus Finance. Repairs and maintenance ocsts total on residential repairs and maintenance ocsts total on residential energy costs, consumption and emissions on the replacement value on residential energy ocsts. Non-residential energy ocsts total on residential energy costs total on the replacement value on residential energy ocsts total on the replacement value on th	Analysis of maintenance		metre² of gross	A/B	2	£	Costs.Non-residential repairs and	F_FNRRMCT	ternalArea.Non-residential	F_SMGIANR	N
costs and capital expenditure to insurance replacement value Septenditure to insurance replacement value	Analysis of maintenance	042C13S09R12	on repairs and	(100*A)/B	1	%	Costs.Non-residential repairs and		supplied non-residential	F_FINRIT	N
Energy costs, consumption and emissions O42C13S10R01 Non-residential energy costs per metre² of gross internal area A/B 2 £ Finance.EnergyCosts.Non-residential energy costs total GIA O42C13S10R02 Average Energy costs per 100 kWh consumption and emissions Energy costs, consumption and emissions O42C13S10R02 Average Energy costs per 100 kWh consumption and emissions Energy costs, consumption and emissions O42C13S10R04 Energy costs electricity as percentage of total Energy costs, consumption and emissions O42C13S10R04 Energy costs electricity as 100*A)/B 1 % Finance.EnergyCosts.Non-residential energy costs electricity as percentage of total F_FNRECTOT EnvironmentEnergyEmission F_ENRECT N SpaceMeasurement.GrossIn F_SMGIANR N EnvironmentEnergyEmission F_ENRECT N SpaceMeasurement.GrossIn F_SMGIANR N F_FNRECTOT EnvironmentEnergyEmission F_ENRECT N SpaceMeasurement.GrossIn F_SMGIANR N F_FNRECTOT F_FNRECTOT F_FNRECTOT F_FNRECTOT F_FNRECTOT N SandWaste.EnergyConsumption total Energy costs, consumption for the finance.EnergyCosts.Non-residential energy costs for the finance.EnergyCosts.Non-residential ene	Analysis of maintenance		costs and capital expenditure to insurance replacement value	(A+B)/C	1		ngs.HESA supplied non- residential capital expenditure buildings plus Finance.RepairsandMaintenance Costs.Non-residential repairs and	_	suranceReplacementValue. Non-residential insurance	F_BNRIRV	N
costs per metre & #178; of gross internal area Costs per metre & #178; of gross internal area Costs per metre & #178; of gross int				A /D	la		Finance Engrandants **	E ENDECTOT	CnocoMon	E CMCIANE	
consumption and emissions 100 kWh consumption 200 kWh consumption	Energy costs, consumption and emissions	U42C13S10R01	costs per metre² of		<u></u>	±		r_FNKECTOT	ternalArea.Non-residential	r_SMIJIANK	N
consumption percentage of total residential energy costs residential energy costs	Energy costs, consumption and emissions	042C13S10R02		(100*A)/B	2	£		F_FNRECTOT	sandWaste.EnergyConsump tion.Non-residential energy	F_ENRECT	N
	Energy costs, consumption and emissions	042C13S10R04	percentage of total	(100*A)/B	1	%	residential energy costs	F_FNRECELE	residential energy costs	F_FNRECTOT	N

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Energy costs, consumption and emissions	042C13S10R05	Energy costs (oil, coal, steam and hot water, other) as percentage of total energy costs	(100*(A+B +C+D))/E	1	%	Finance.EnergyCosts.Non- residential energy costs oil plus Finance.EnergyCosts.Non- residential energy costs coal (industrial) plus Finance.EnergyCosts.Non- residential energy costs steam and hot water plus	F_FNRECOIL+ F_FNRECCOA + F_FNRECSHW + F_FNRECOTH	Finance.EnergyCosts.Non- residential energy costs total	F_FNRECTOT	N
Energy costs,	042C13S10R06	Energy consumption kWh		0		Finance.EnergyCosts.Non- residential energy costs other EnvironmentEnergyEmissionsand	F_ENRECT	SpaceMeasurement.GrossIn	F_SMGIANR	N
consumption and emissions		per metre² of gross internal area				Waste.EnergyConsumption.Non- residential energy consumption total		ternalArea.Non-residential GIA		
Energy costs, consumption and emissions	042C13S10R08	Energy consumption kWh per student FTE	A/(B+C+D)	0		EnvironmentEnergyEmissionsand Waste.EnergyConsumption.Non- residential energy consumption total	F_ENRECT	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE	N
Energy costs, consumption and emissions	042C13S10R10	Notional energy emissions (kg CO ₂ e) per metre² of gross internal area	A/B	0		EnvironmentEnergyEmissionsand Waste.Scope1and2CarbonEmissi ons.Non-residential scope 1 and 2 carbon emissions total	F_E12CENRT	SpaceMeasurement.GrossIn ternalArea.Non-residential GIA	F_SMGIANR	N
Energy costs, consumption and emissions	042C13S10R11	Notional energy emissions (kg CO ₂ e) per student FTE	A/(B+C+D)	0		EnvironmentEnergyEmissionsand Waste.Scope1and2CarbonEmissi ons.Non-residential scope 1 and 2 carbon emissions total	F_E12CENRT	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE	N
Water costs an Water costs	d consumption 042C13S11R01	Water and sewerage	A/B	2	£	Finance.WaterandSewerageCost	F FNRWSCT	SpaceMeasurement.GrossIn	F SMGIANR	N
and consumption	042C13311N01	costs per metre² of gross internal area		2		s.Non-residential water and sewerage costs total	I_HWW3CI	ternalArea.Non-residential	I_SWOIANK	14
Water costs and consumption	042C13S11R02	Water and sewerage costs per metre³ of consumption	A/B	2	£	Finance.WaterandSewerageCost s.Non-residential water and sewerage costs total	F_FNRWSCT	EnvironmentEnergyEmission sandWaste.WaterConsumpt ion.Non-residential water consumption	F_ENRWCON	N
Water costs and consumption	042C13S11R03	Water consumption metre³ per metre² of gross internal area Water consumption	A/B	1		EnvironmentEnergyEmissionsand Waste.WaterConsumption.Non-residential water consumption		SpaceMeasurement.GrossIn ternalArea.Non-residential GIA StudentStaffCounts.Student	F_SMGIANR	N
Water costs and consumption	042C13S11R05	metre³ per student FTE	A/(B+C+D)	1		EnvironmentEnergyEmissionsand Waste.WaterConsumption.Non- residential water consumption	F_ENRWCON	Student FTE. HESA supplied teaching student FTE plus StudentStaffCounts. Student FTE. HESA supplied research student FTE plus Student FTE plus Student FTE plus Student FTE plus Student StaffCounts. Student FTE. FE student FTE		N
Total residentia	al									
Estate structure Estate	e 042C14S01R04	Tenure as percentage of	A+B	1	%	BuildingsandFunctionality.Tenure	F BRTF+			N
structure	042014301104	gross internal area, freehold/long-leasehold	A.5		70	Residential tenure freehold plus BuildingsandFunctionality.Tenure .Residential tenure long leasehold	F_BRTLL	апоэр,	шизр,	N
Estate structure	042C14S01R05	Construction date as percentage of gross internal area Pre-1940	A+B+C	1	%	BuildingsandFunctionality.ConstructionDate.Residential construction date 1915-1939 plus BuildingsandFunctionality.ConstructionDate.Residential construction date 1840-1914 plus BuildingsandFunctionality.ConstructionDate.Residential constructionDate.Residential	F_BRD1915 + F_BRD1840 + F_BRB1840			N

Estate structure	042C14S01R06	Construction date as percentage of gross internal area built since 1980	A+B	1	%	BuildingsandFunctionality.Constr uctionDate.Residential construction date 1980-1999 plus BuildingsandFunctionality.Constr uctionDate.Residential construction date since 2000	F_BRD1980 + F_BRD2000			N
Estate structure	042C14S01R07	Listed building coverage as percentage of gross internal area	(100*A)/B	1	%	BuildingsandFunctionality.Listed BuildingCoverage.Residential listed building coverage	F_BRLBC	SpaceMeasurement.GrossIn ternalArea.Residential GIA	F_SMGIAR	N
Condition and	suitability						I		l l	
Condition and suitability	042C14S02R01	Building condition as percentage of gross internal area Condition A and B	A+B	1	%	BuildingsandFunctionality.Condit ionAssessmentDefinition.Reside ntial building condition assessment condition A plus BuildingsandFunctionality.Condit ionAssessmentDefinition.Reside ntial building condition assessment condition B	F_BRADCA + F_BRADCB			N
Condition and suitability	042C14S02R02	Building condition as percentage of gross internal area Condition D	А	1	%	BuildingsandFunctionality.Condit ionAssessmentDefinition.Reside ntial building condition assessment condition D	F_BRADCD			N
Condition and suitability	042C14S02R05	Functional suitability as percentage of gross internal area Grade 1 and 2	A+B	1	%	BuildingsandFunctionality.Functi onalSuitability.Residential functional suitability grade 1 plus BuildingsandFunctionality.Functi onalSuitability.Residential functional suitability grade 2	F_BRFSG1 + F_BRFSG2			N
Condition and suitability	042C14S02R06	Residential backlog affordability score	(A+B)/(C+ D)	1		Finance.Income.HESA supplied residences income plus Finance.Income.HESA supplied catering income	F_FIRESI + F_FICATI	BuildingsandFunctionality.C onditionAssessmentUpgrad eCost.Residential building condition assessment cost to upgrade condition C to B plus BuildingsandFunctionality.C onditionAssessmentUpgrad eCost.Residential building condition assessment cost to upgrade condition D to B	F_BRAUCB + F_BRAUDB	N
Linking proper	ty to business								L	
Linking property to business	042C14S04R02	Ratio of total property costs to HEP Expenditure	A/(B+C)	3		Finance.PropertyCosts.Residenti al property costs	F_FRPCO	Finance.Expenditure.HESA supplied residences expenditure plus Finance.Expenditure.HESA supplied catering expenditure	F_FERESEXP + F_FECATEXP	N
Linking property to business	042C14S04R03	Ratio of residential HEP income to HEP Expenditure	(A+B)/(C+ D)	3		Finance.Income.HESA supplied residences income plus Finance.Income.HESA supplied catering income	F_FIRESI + F_FICATI	Finance.Expenditure.HESA supplied residences expenditure plus Finance.Expenditure.HESA supplied catering expenditure	F_FERESEXP + F_FECATEXP	N
Linking property to business	042C14S04R04	HEP income per metre² of net internal area	(A+B)/C	2	£	Finance.Income.HESA supplied residences income plus Finance.Income.HESA supplied catering income	F_FIRESI + F_FICATI	SpaceMeasurement.NetInte rnalArea.Residential NIA	F_XUP_SMNIAR	N
Linking property to business	042C14S04R08	Residential and catering income per metre² of gross internal area	(A+B)/C	2	£	Finance.Income.HESA supplied residences income plus Finance.Income.HESA supplied catering income	F_FIRESI + F_FICATI	SpaceMeasurement.GrossIn ternalArea.Residential GIA	F_SMGIAR	N
Linking property to business	042C14S04R09	HEP expenditure per bedspace	(A+B)/C	2	£	Finance.Expenditure.HESA supplied residences expenditure plus Finance.Expenditure.HESA supplied catering expenditure	F_FERESEXP + F_FECATEXP	SpaceMeasurement.Numbe rofBedSpaces.Residential number of bed spaces	F_SMRNBS	N
Linking property to business	042C14S04R10	Capital expenditure as % of HEP Income	(100*(A+B))/(C+D)	1	%	Finance.CapitalExpenditureBuildi ngs.HESA supplied residences capital expenditure buildings plus Finance.CapitalExpenditureBuildi ngs.HESA supplied catering	F_FRESCEX + F_FCATCEX	Finance.Income.HESA supplied residences income plus Finance.Income.HESA supplied catering income	F_FIRESI + F_FICATI	N

Utilisation ratios	042C14S05R02	Residential net internal area per bedspace	A/B	1		SpaceMeasurement.NetInternal Area.Residential NIA	F_XUP_SMNIA R	SpaceMeasurement.Numbe rofBedSpaces.Residential number of bed spaces	F_SMRNBS	N
Utilisation ratios	042C14S05R03	Average provision of bedspaces per student FTE	A/(B+C+D)	2		SpaceMeasurement.NumberofB edSpaces.Residential number of bed spaces	F_SMRNBS	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE	N
Utilisation ratios	042C14S05R04	Occupancy rate residential	А	1	%	SpaceMeasurement.OccupancyR ate.Residential occupancy rate percentage	F_SMORRP			N
Component rev	venue costs								·	
Component revenue costs		Cleaning costs per metre² of net internal area	A/B	2	£	Finance.CleaningCosts.Residenti al cleaning costs total	F_FRCCT	SpaceMeasurement.NetInte rnalArea.Residential NIA	F_XUP_SMNIAR	N
Component revenue costs		Net service charges as percentage of total property costs	(100*A)/B	1	%	Finance.NetServiceChargeandMi scellaneousPFlandPPPCosts.Resi dential net service charge and miscellaneous PFI and PPP costs	F_FRNSCM	Finance.PropertyCosts.Resid ential property costs	F_FRPCO	N
Component revenue costs	042C14S06R09	Maintenance costs as percentage of total property costs	(100*A)/B	1	%	Finance.RepairsandMaintenance Costs.Residential repairs and maintenance costs total	F_FRRMCT	Finance.PropertyCosts.Resid ential property costs	F_FRPCO	N
Component revenue costs	042C14S06R10	Residential cleaning costs per metre² of gross internal area		2	£	Finance.CleaningCosts.Residenti al cleaning costs total	F_FRCCT	SpaceMeasurement.GrossIn ternalArea.Residential GIA	F_SMGIAR	N
Analysis of mai										
Analysis of maintenance		Maintenance costs per metre² of gross internal area	A/B	2	£	Finance.RepairsandMaintenance Costs.Residential repairs and maintenance costs total	F_FRRMCT	SpaceMeasurement.GrossIn ternalArea.Residential GIA	F_SMGIAR	N
Analysis of maintenance	042C14S07R12	% of HEP's income spent on repairs and maintenance	(100*A)/(B+C)	1	%	Finance.RepairsandMaintenance Costs.Residential repairs and maintenance costs total	F_FRRMCT	Finance.Income.HESA supplied residences income plus Finance.Income.HESA supplied catering income	F_FIRESI + F_FICATI	N
Analysis of maintenance	042C14S07R13	Ratio of maintenance costs and capital expenditure to insurance replacement value	(A+B+C)/D	1		Finance.CapitalExpenditureBuildi ngs.HESA supplied residences capital expenditure buildings plus Finance.CapitalExpenditureBuildi ngs.HESA supplied catering capital expenditure buildings plus Finance.RepairsandMaintenance Costs.Residential repairs and maintenance costs total	F_FRESCEX + F_FCATCEX + F_FRRMCT	BuildingsandFunctionality.In suranceReplacementValue. Residential insurance replacement value	F_BRIRV	N
Energy costs, c	onsumption and e	emissions	L	L			l			
Energy costs, consumption and emissions		Energy costs per metre² of gross internal area	A/B	2	£	Finance.EnergyCosts.Residential energy costs total	F_FRECTOT	SpaceMeasurement.GrossIn ternalArea.Residential GIA	F_SMGIAR	N
Energy costs, consumption and emissions	042C14S08R02	Energy costs per 100 kWh consumption	(100*A)/B	2	£	Finance.EnergyCosts.Residential energy costs total	F_FRECTOT	EnvironmentEnergyEmission sandWaste.EnergyConsump tion.Residential energy consumption total	F_ERECTOT	N
Energy costs, consumption and emissions		Energy costs gas as percentage of total energy costs	(100*A)/B		%	energy costs gas	F_FRECGAS	Finance.EnergyCosts.Reside ntial energy costs total		N
Energy costs, consumption and emissions		Energy costs electricity as percentage of total energy costs			%	energy costs electricity	F_FRECELE	Finance.EnergyCosts.Reside ntial energy costs total	F_FRECTOT	N
Energy costs, consumption and emissions		Energy consumption kWh per metre² of gross internal area		0		EnvironmentEnergyEmissionsand Waste.EnergyConsumption.Resid ential energy consumption total		SpaceMeasurement.GrossIn ternalArea.Residential GIA	_	N
Energy costs, consumption and emissions		Notional energy emissions (kg CO ₂ e) per metre² of gross internal area	A/B	0		EnvironmentEnergyEmissionsand Waste.Scope1and2CarbonEmissi ons.Residential scope 1 and 2 carbon emissions total	F_E12CERT	SpaceMeasurement.GrossIn ternalArea.Residential GIA	F_SMGIAR	N
Water costs an	042C14S09R01	Water and sewerage	A/B	2	£	Finance.WaterandSewerageCost	F_FRWSCT	SpaceMeasurement.GrossIn	F_SMGIAR	N
and consumption Water costs		costs per metre² of gross internal area Water consumption		1		s.Residential water and sewerage costs total EnvironmentEnergyEmissionsand		ternalArea.Residential GIA	F SMGIAR	N
and consumption	0-42C143U3KU3	metre³ per metre² of gross internal area	770	±		Waste.WaterConsumption.Resid ential water consumption	I_ENWCUN	ternalArea.Residential GIA	I _SIVICIMN	IN
Total property	costs									

Total property	042C14S10R01	Residential property	A/B	2	£	Finance.PropertyCosts.Residenti	F_FRPCO	SpaceMeasurement.GrossIn	F_SMGIAR	N
costs		costs per metre² of				al property costs		ternalArea.Residential GIA		
		gross internal area								