



# Can HESA be stress free?

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Registry Services





# Can HESA be stress free?

NO

but...

- Registry Services > Student Systems Development Team (SSDT) > Data & Process Quality Team (x4)
- HESA Student, DLHE, ITT, AOR
- But also SLC returns, KIS, SITS support (access requests, helpdesk, training, developments), departmental computing support for Academic Registry

## 2008/9

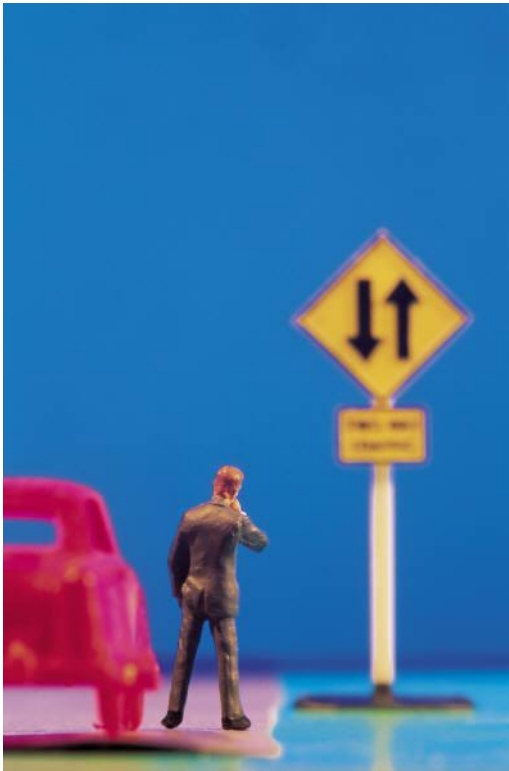
- Staff: Student Systems Manager + Student Systems Development Assistant
- Instances: 16,366
- Business Rule errors in April: 42,000

## 2010/1

- Staff: Student Systems Manager + External Returns & Data Officer
- Instances: 19,079
- Business Rule errors in April: 15,000

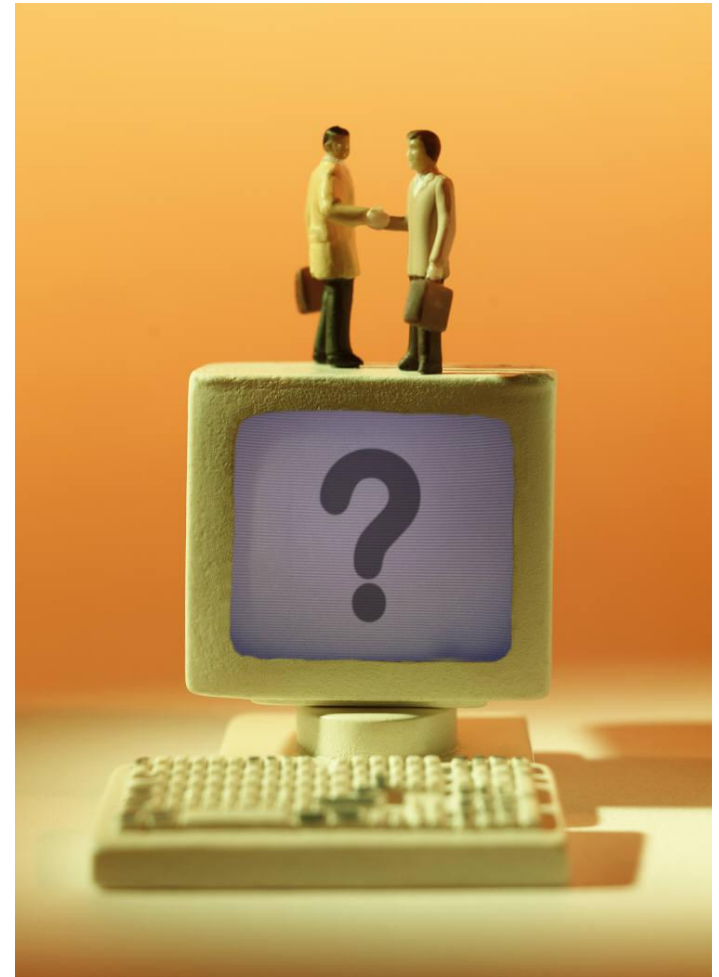


# What changed?



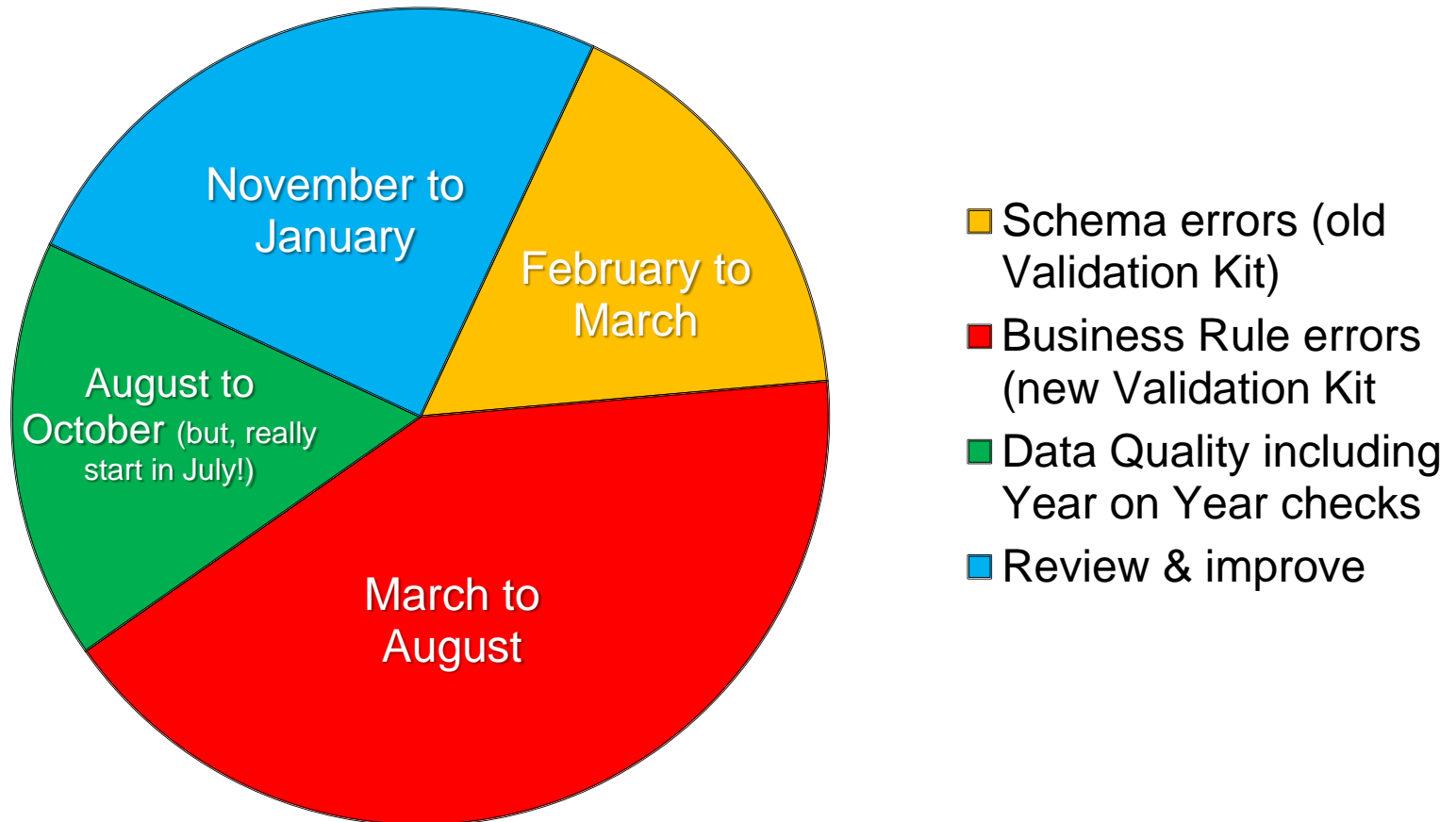
- Systems development
- Better data capture
- Early stage data cleansing
- Early data validation
- Staff experience
- Raised awareness within the institution

- Student Record: SITS
- BI: Business Objects
- Querying: MS Access
- XML editor: Notepad++



- Assessment in SITS: Module results at component level (Completion/Non-Completion)
- Automation: Transfers, suspensions, withdrawals (taking away the human)
- Online Enrolment: Data coding at capture
- SQLs: Update, calculate, remove

## The HESA cycle starts in February





# Data Capture & Cleansing



- Admissions data capture
- Enrolment data capture
- Dirty Data Reporting
- Postcode & TTACCOM capture
- Student module credit reports
- Module results collection



# Dirty Data Reports

- System: Business Objects link to SITS
- Emailed to contacts weekly in Excel format
- Reviewed & updated frequently



- Student data (STU)
- Student Course data (SCJ)
- Student Programme data (SPR)
- Student Enrolment data (SCE)
- Module data (MOD, MAV etc)
- Course data (CRS, PRG, ROU etc)
- Student Qualifications on Entry (SQE)

Web Intelligence Java Report Panel - Microsoft Internet Explorer provided by The University of York

File Edit Query Edit Report View Structure

Data Te.. Map Pr.. Inp..

Data

Dirty Data SCE - SSDT

Crs Dptc

ERROR 01

ERROR 02

ERROR 01

Type:string

=If((Match([Sce Stac],"P") Or  
Match([Sce Stac],"R")) And  
Not(IsNull([Sce Rftc])) And Not([Sce  
Rftc]InList("TFI","UPG")),"E01:Current  
but Reason for Leaving Populated,  
""))

ERROR 12

ERROR 13

ERROR 14

ERROR 14y

ERROR 14z

ERROR 15

ERROR 20

ERROR 21

ERROR 21A

ERROR 21B

ERROR 26

ERROR 27

ERROR 28

ERROR 29

ERROR 30

ERROR 30A

ERROR 30B

ERROR 30C

ERROR 30D

ERROR 30E

ERROR 30F

### SCE Data Error Problems

Sce Dptc	Scj Code	Sce Crsc	Stu Surn	Sce Rouc	FINAL ERROR
0003		UCHECHE		UMCHESIND4	E21B:Year in Industry mode, Special Student Type not 0.
		UCHECHE		UMCHESYRK4	E08:Withdrawn or completed but no reason for leaving.
		UPHYPHY		UBTPYSTPY3	E14: PT student on FT block.
		UPHYPHY		UMTPYSTPY4	E01:Current but Reason for Leaving Populated, E02:Current but End Date Populated.
		PMATFIO		PCMATSFIO1	E63: Distance route, but Ext Study Location not 6, 7 or 9.
		PMATFIO		PCMATSFIO1	E63: Distance route, but Ext Study Location not 6, 7 or 9.
		UCOMCOM		UBCOMSIND4	E21B:Year in Industry mode, Special Student Type not 0.
		PSAFCRI		PMSAFSCRI1	E15:FT student on PT block.
0006		UCOMCOM		UMCOMSAI5	E08:Withdrawn or completed but no reason for leaving.
0007		RELEELE		RLELEENG2	E08:Withdrawn or completed but no reason for leaving.
0007		RELEELE		RPELEENG3	E08:Withdrawn or completed but no reason for leaving.
0009		UMEDMED		UBMEDSHOT5	E30H:Full Time Clinical Out mode, but not status.
0009		UMEDMED		UDMEDSSCI1	E30H:Full Time Clinical Out mode, but not status.
0009		UMEDMED		UBMEDSYOT5	E30H:Full Time Clinical Out mode, but not status.
0009		UMEDMED		UBMEDSYOT5	E30H:Full Time Clinical Out mode, but not status.
0009		UMEDMED		UBMEDYBI1	E02:Current but End Date Populated. E68: Status Pending, but Review completed.
0009		UMEDMED		UBMEDSHOT5	E30H:Full Time Clinical Out mode, but not status.
0009		PMEDEDU		PCMEDSEDH1	E62: Distance route, but not mode.
0009		PMEDEDU		PCMEDSEDH1	E62: Distance route, but not mode.
0010		ULAWLAW		UBLAWSLAW3	E14: PT student on FT block.
0020		PHECHCP		PCHECHCP1	E62: Distance route, but not mode.
0021		RPOLPOL		RPPOLSPOL3	E04:Registered Status but Writing Up. E05:Registered Status but Writing Up Block.
0021		UPOLPOL		UBPOLSTR3	E09:Withdrawn or completed before SCE start date but mode not dormant.
0022		PSPWEUN		PCMPASEUN1	E68: Status Pending, but Review completed.

- System: MS Access ODBC link to SITS
- Hosted locally and shared
- Queries replicate Schema errors, HESA Business Rules, Exception Report errors
- Also used for Data Quality checks
- Updated as it comes

SITS Live Database for HESA : Database (Access 2007) - Microsoft Access

Query Tools: Home, Create, External Data, Database Tools, Design

Design View: View, Run, Select, Make Table, Append, Update, Crosstab, Delete, Union, Pass-Through, Data Definition, Show Table, Builder, Return: All, Property Sheet, Table Names, Parameters, Show/Hide

Queries: HESA\_EntryProfile\_PARED\_1, HESA\_EntryProfile\_PGCECLSS\_1, HESA\_EntryProfile\_PGCECB\_1, HESA\_EntryProfile\_PREVINST\_1, HESA\_EntryProfile\_PREVINST\_2, HESA\_EntryProfile\_QUALENT2\_1, HESA\_EntryProfile\_QUALENT2\_2, HESA\_EntryProfile\_QUALENT3\_1, HESA\_EntryProfile\_SEC\_1, HESA\_EntryProfile\_SOC2000\_1, HESA\_Instance\_COURSEID\_1, HESA\_Instance\_DHREGREF\_1, **HESA\_Instance\_DISALL\_1**, HESA\_Instance\_DISALL\_2, HESA\_Instance\_DISALL\_3, HESA\_Instance\_DISALL\_4, HESA\_Instance\_ENDDATE\_4, HESA\_Instance\_ENDDATE\_5, HESA\_Instance\_ENDDATE\_6, HESA\_Instance\_ENDDATE\_7, HESA\_Instance\_EntryProfile\_1, HESA\_Instance\_EXCHANGE\_5, HESA\_Instance\_FEEELIG\_1, HESA\_Instance\_FEEELIG\_2, HESA\_Instance\_FEEELIG\_5, HESA\_Instance\_FESTUMK\_3, HESA\_Instance\_FUNDCODE\_13, HESA\_Instance\_FUNDCODE\_16, HESA\_Instance\_FUNDCODE\_17

HESA\_Instance\_DISALL\_1

SIPR\_SRS\_HIN

- HIN\_AYF
- HIN\_INS
- HIN\_STII
- HIN\_STII
- HIN\_AD
- HIN\_RE
- HIN\_CM
- HIN\_CH
- HIN\_FNI
- HIN\_CS1
- HIN\_HC
- HIN\_DH
- HIN\_DE
- HIN\_CD
- HIN\_CD
- HIN\_CD
- HIN\_DIS
- HIN\_DU
- HIN\_ELC

SIPR\_SRS\_HST

- HST\_AYF
- HST\_INS
- HST\_STII
- HST\_DO
- HST\_SDI
- HST\_DIS
- HST\_ETH
- HST\_SUI
- HST\_SN
- HST\_FN
- HST\_GEI
- HST\_OV
- HST\_NIC
- HST\_NIC
- HST\_NA
- HST\_SCI
- HST\_TTA
- HST\_TTP

SIPR\_INS\_STU

- STU\_CO
- STU\_SRI
- STU\_LPI
- STU\_UC
- STU\_STA
- STU\_STA
- STU\_STA
- STU\_TTI
- STU\_TLE
- STU\_SUI
- STU\_PRV
- STU\_LAS
- STU\_FNI
- STU\_FNI
- STU\_FNI
- STU\_FU
- STU\_INI
- STU\_NA
- STU\_DO
- STU\_GEI

Field:	HIN_AYRC	HIN_SCJC	STU_SURN	STU_FNM1	HIN_DISA	HST_DISB	HIN_RED1	STU_DSBA	STU_DSBC	HIN_ROUC
Table:	SIPR_SRS_HIN	SIPR_SRS_HIN	SIPR_INS_STU	SIPR_INS_STU	SIPR_SRS_HIN	SIPR_SRS_HST	SIPR_SRS_HIN	SIPR_INS_STU	SIPR_INS_STU	SIPR_SRS_HIN
Sort:										
Show:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:	"2011/2"				Is Null	Between 2 And 96	"00"			
or:										

Ready Num Lock



## York HESA seminars & workshops

- Intro to HESA
- Whose responsibility is it
- Why is data accuracy important
- When should things be done by
- What can go wrong






## Questions?

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