

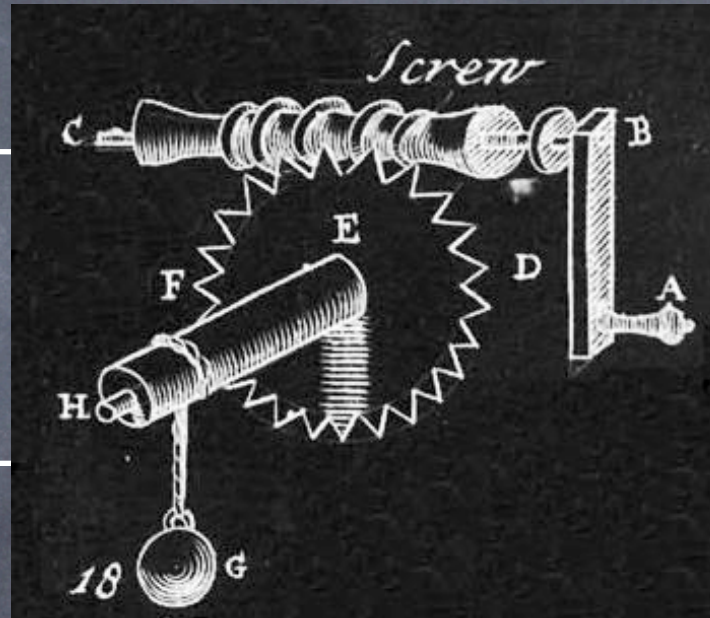
The Relationship Astronomer – VO

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Observatório Nacional – MCT

Scientist



Engine



Database

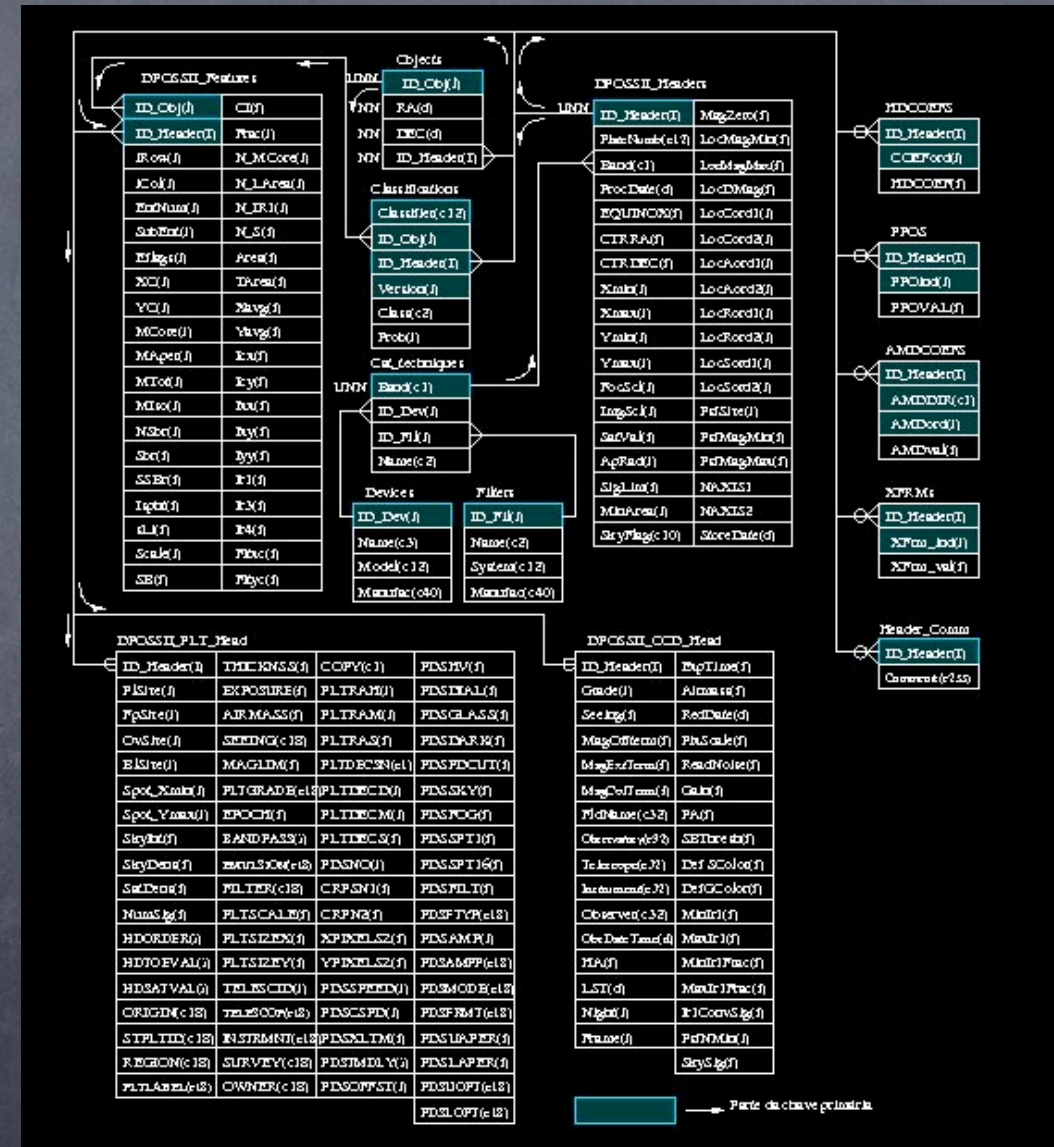


<http://astrostatistics.psu.edu/vostat/index.html>

Which is The Information that Matters?

SKICAT (DPOSS)

Attributes	187
Entities	14
Joints	15



Which indexes are to be defined?

Entity	Attributes	Cardinality
Headers	36	Low
Bands (Device Filters)	8	Lower
Objects	4	High
Features	40	High
Classifications	6	Higher



SHELLS

1. Immediate / Scientific Information

- > 0th Order Critical Instance

2. Analysis & Procedure Information

- > 1st Order Critical Instance

3. Observation, Acquisition Procedure & Device Information

- > 2nd Order Critical Instance

1st SHELL

Immediate Information

0th Order Critical Instance

Astrometric	$(\alpha, \delta); (l, \phi);$ Epoch $\Delta\alpha, \Delta\delta$ z	Photometric	Mag (Bands) Colour Index SB
Spectroscopic	BLOB (FITS) $\lambda_0, \Delta\lambda$ Equiv. Width	Classificatory	Gal, Star, QSO, COM etc
		Morphologic	Ellipticity PA I_{xx}, I_{yy}, \dots

2nd SHELL

Analysis Procedures and Methods 1st Order Critical Instance

CCDRED	Flat-Fields Offset Noise	Colour Correction
Integration Methods	IRAF / MIDAS tasks	Astrometric Constants Polynomials
Photometric Calibration Methods	Standards of calibration	Spectral continuum polynomial

Who did make the analysis?

3rd SHELL

Acquisition Information 2nd Order Critical Instance

Telescope	<ul style="list-style-type: none">- Optical characteristics- Detector Photometric Characteristics
Observatory	<ul style="list-style-type: none">- Site conditions- Climatic conditions
Observer	<ul style="list-style-type: none">- Survey- Program / line schedul- Automatic

The End