What I learn from League Tables!

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Guardian 2008: Electrical and Electronics
Variables

- Satisfaction With Teaching (% respondents satisfied)
- Satisfaction With Assessment
- Expenditure Per Student (in bands 1-10)
- Student Staff Ratio
- Percent Job Prospect
- Value Added Score
- Average Entry Tariff (0-500)

- Raw data not available
- Some transformations before computing the scores
- Arbitrary weightings [10%, 5%, 17%, 17%, 17%, 17%, 17%]

Sanity check – linear regression
Correlations 3:

Throwing money at them helps?

Correlations 4:

Where there are more of us, they seem more satisfied;
They must like us!
Correlations 5:

Satisfied students appear to get better jobs

Correlations 6:

Giving high grades to weak students does not appear to make them happy!
Those with better AL grades seem to think we are teaching good.

Causality!

Directed graph:

- Good management → More academics, Spend per student
- Good students → Higher AL grades
- Satisfaction with Teaching → Good job prospects
- Higher league table position → positive feedback!

Correlations 7:

CorrCoeff: 0.503

AverageEntryTarriff vs. SatisfactionWithTeaching
How do the indicators influence ranking?

- **SatisfactionWithTeaching (5)**
  - Dolphin University: 81
  - Best Other: 91
  - Lboro
  - Essx, Lanc, Astn

- **PercentJobProspect (5)**
  - Dolphin University: 55
  - Best Other: 81
  - Edn
  - Imp

- **StudentStaffRatio (1)**
  - Dolphin University: 6
  - Best Other: 10

- **AverageEntryTarriff (25)**
  - Dolphin University: 15
  - Best Other: 8
  - Edn
  - Imp