

# A Graph for the Economist

CMSC 205, Winter 2017

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The *Economist* is a well-regarded weekly news magazine. The following graphic accompanied their article about the release of the “College Scorecard” data in Sept. 2015.

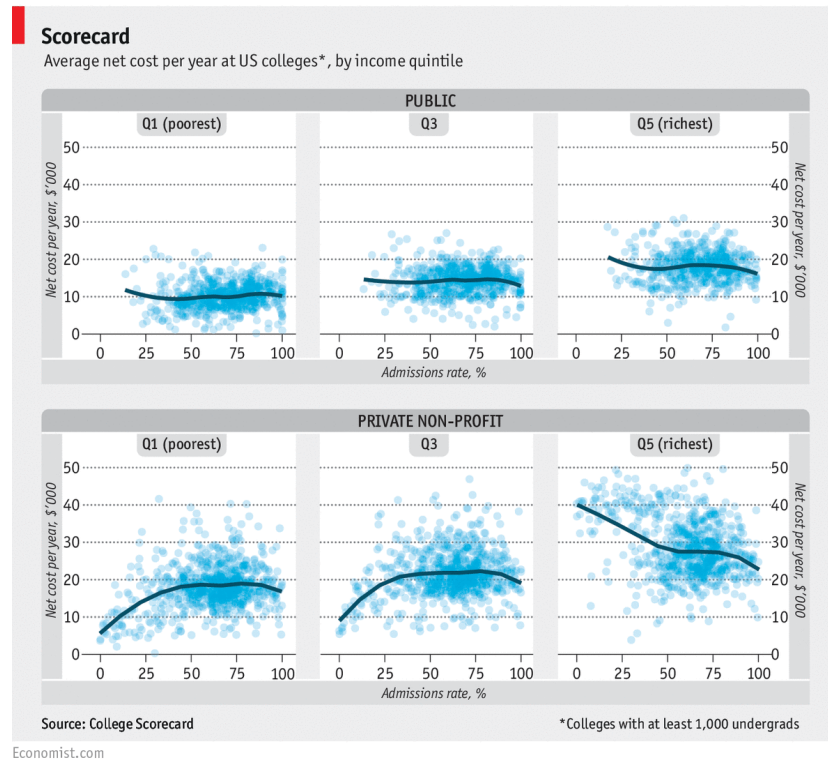


Figure 1: Yearly cost of attending college versus college selectivity. Each dot is one college or university.

**Your task** is to reproduce this graph from the College Scorecard data, and perhaps enhance it.

## The data

The Scorecard data is too voluminous to work with conveniently in class; it takes too long to download. You’ll be working with a subset available in the file `ScorecardSmallNarrow.csv` which contains a single data table that is ready for plotting. After loading the `tidyverse` package, you can read this data set in using the below command:

Note that both in the graph and the data set the case (i.e. row) is a level of family income at an institution. In all there are 8964 cases and

5 variables:

1. CONTROL: public (1) or private (2) institution.
2. ADM\_RATE: admissions rate in percent
3. income\_group: income quintile
4. net\_cost: average net cost for students