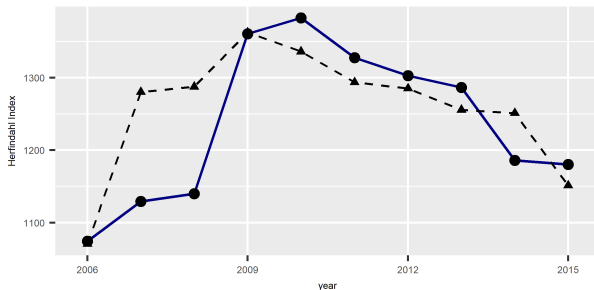


BEIS Data Analysis

18 March, 2019

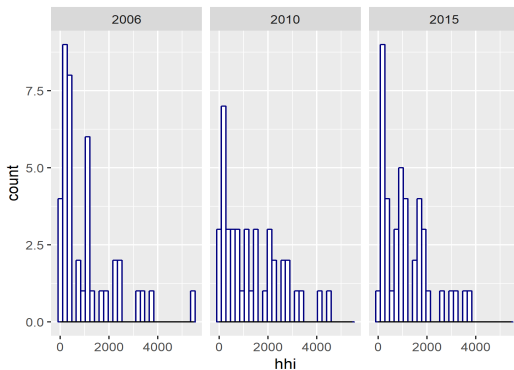
Average Herfindahl Index

- Both weighted(solid) and simple(dashed) indices look like reverse V-shapes

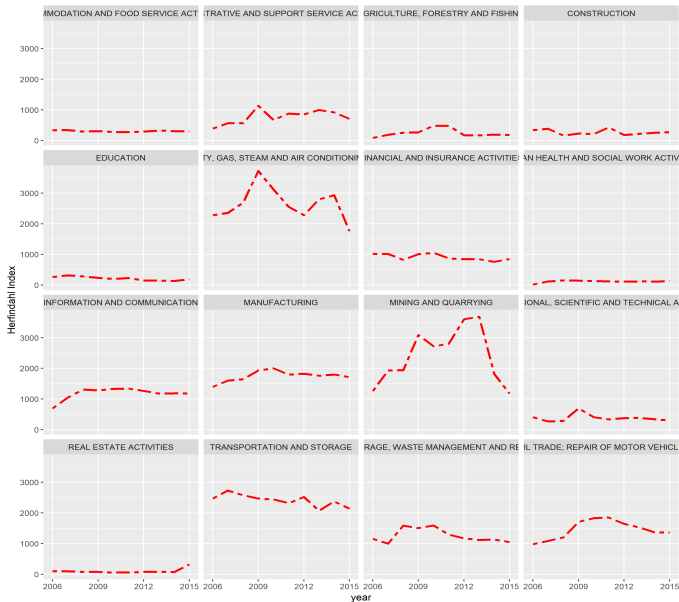


Distributions of Herfindahl Index

- The increase in Herfindahl index during 2006-2010 resulted from becoming thicker distribution.

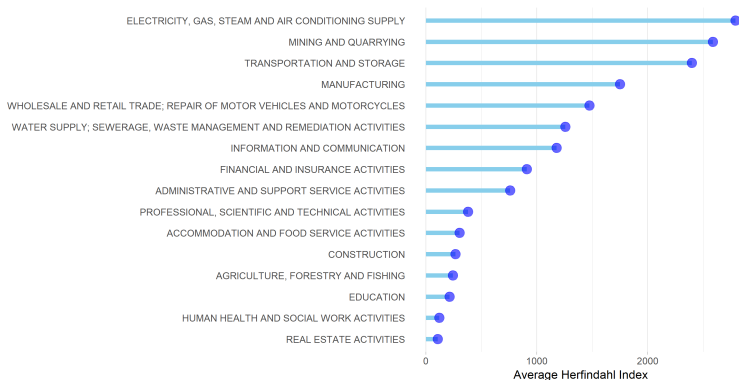


Trends across 1-digit SIC sectors



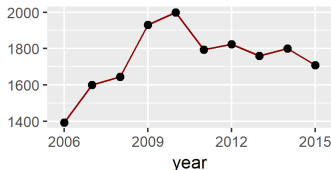
Sectoral Comparison

- Taking weighted average Herfindahl index across years,
 - ▶ Manufacturing and Retail/wholesale sectors mark fourth and fifth largest indices, respectively.

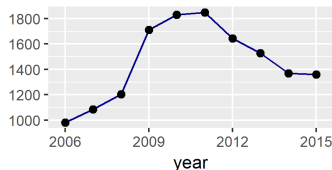


A Closer Look at Three 1-digit SIC Sectors

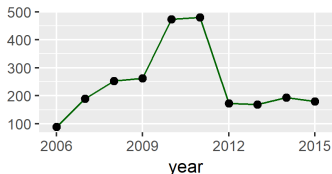
- Manufacturing, Retail/wholesale and Agriculture sectors have similar time trends with the overall trend.



(a) Manufacturing



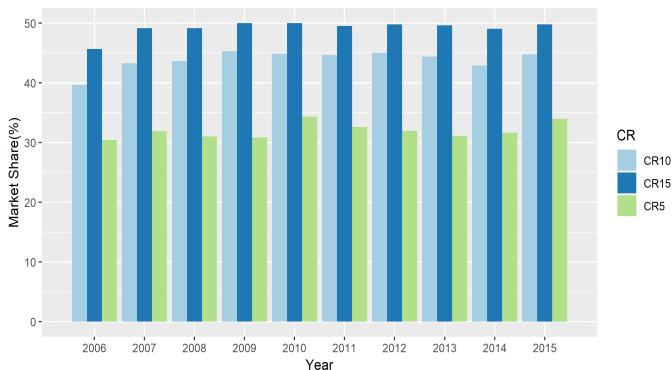
(b) Retail and Wholesale



(c) Agriculture

Other Measures: CR5/CR10/CR15

- CR5, CR10 and CR15 seem to have similar pattern with Herfindahl index.
- But, they look more stable over years than the index.
- The biggest five firms, on average, account for 30 to 35 %.



Average Herfindahl vs. Average Net Entry Rate

- Net entry ratio ($\equiv (\text{Gross entry} - \text{Gross exit}) \div \text{firm number}$) has an opposite trend compared to Herfindahl index.
- From 2007 to 2009, both entries and exits decline. However, the (negative) slope of firm entries is much higher than the slope of firm exits during the same period.

