Data

- Public opinion polls for the UK
- csv format (>400 data points)
- voting intention, government approval (all polls)
- parties & sensitive issues (e.g. Taxation, Education, Immigration)
- politician traits (e.g. Charismatic, Strong, Decisive) (forthnightly)
- current issues (e.g. EU membership, Scottish independence, Lybia)
- Everything split by: Voting intention, VI relative to last election vote, Sex (2), Age group (4), Social Grade (2), Region (5)

www.trendminer-project.eu
Results

- Forecasting polls using text regression from tweets
- Novel model of sparse bilinear regression
- Selects sparse set of both users and words

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A User-centric Model of Voting Intention from Social Media
Bill Lampos, Daniel Preotiuc-Pietro, Trevor Cohn
ACL 2013  http://www.preotiuc.ro
Future plans

• poll prediction: regional and demographic
• prediction and features for the other time series (events, traits, issues)
• identifying events that affect variation in time series

  e.g. increase in 'Sticks to what he believes in' for PM David Cameron after E.U. veto (2011)