

Statistical work: the changing occupational landscape

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Who analyses what data?

- This isn't the Radical Statisticians Group.
- How many speakers yesterday said they weren't a statistician?
- Are there 'Hidden statisticians'?
- Data journalism and data journalists.
- Data science and data scientists.

Who presents what to which audiences?

- Many specific purposes and specific audiences...
- ...but communicating with the wider public is crucial.
 - *Different people and assumptions in different contexts.*
 - *Wide misunderstanding of media processes.*
 - *Don't always blame the journalists!*

Who decides what statistical analyses are appropriate?

- (Most) statisticians came late to the game of criticising p values, replication issues, etc.

Who trains whom in working with data?

- In higher education a big majority of statistics is taught and learned by people who wouldn't ever describe themselves as statisticians
 - *Does that matter, and if so, how?*
- How do people learn to be data journalists?
- The rise of data science in universities:

How many universities offer single subject (or near offer) courses in data science (according to UCAS)?

Undergrad: 31. Taught postgrad: 66.

Same for statistics:

Undergrad: 8. Taught postgrad: 22.

Changes, opportunities, risks?

- Open data
- Freedom of information legislation
- More data but more hoops to jump through to get at it
- Far better computers but (often) far more computing skills required.
- Private sector confidentiality.
- How can Radstats involve more data scientists and data journalists?
- Can Radstats survive if we don't involve them?