The Australian Text Analytics Platform (ATAP)
and the
Language Technology and Data Analysis Laboratory (LADAL)

Michael Haugh & Martin Schweinberger

Aim to develop computational HASS infrastructure

- **Collation of projects** (UQ: LADAL | USyd: SCL + SIH)
  (diversity of audiences, needs, and approaches)

- **Development of resources**
  (websites, tools, static and interactive notebooks)

- **Upskilling | engagement**
  (workshops, seminars, trainings)

- **Continuing support** (consultation and 1:1 support)

- Generating **vectors** (educators and fellows)

Collaborative, cloud-based workbench environment, bringing together users and providers of data and text analytics tools. It will support researchers transitioning to code-based text analysis, with the resultant benefits of flexibility, reproducibility and reuse.

Language Technology and Data Analysis Laboratory (LADAL)

LADAL: https://ladal.edu.au

Free, open-source eResearch support infrastructure for computational HASS in the UQ School of Languages and Cultures

LADAL Language Technology and Data Analysis Laboratory

Aim

- provide (notebook-based) resources for computational HASS (website tutorials and case studies, interactive notebooks, links, information, etc.)

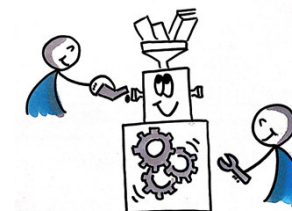- organize events and community building (webinars, workshops, etc.)

People

- Directors: Martin Schweinberger & Michael Haugh
- Contributors: Sam Hames, Ben Foley plus various international experts

Ongoing Collaboration with various labs and centres across the world (sharing of resources, reciprocal promotion, and assistance)

Sydney Corpus Lab

**Discover the Power of Computer-based Text Analysis**

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Language Technology and Data Analysis Laboratory (LADAL)

LADAL: https://ladal.edu.au

What does LADAL offer?

Provides free resources (notebooks) on

- Digital tools (R | RStudio) and **data management**
- **Computational methods** and (basic) **programming** skills
- **Data** extraction / transformation / processing
- Data **visualization** (including geospatial mapping and interactive web apps)
- **NLP** applications and **text analytics**
- Various **statistical** procedures (including classification and **machine learning**)

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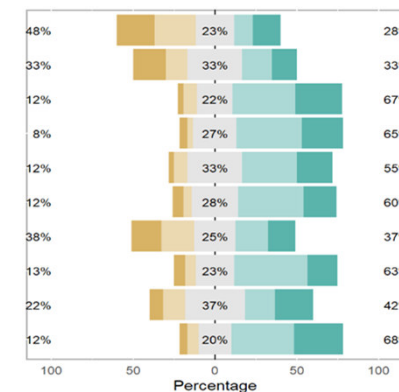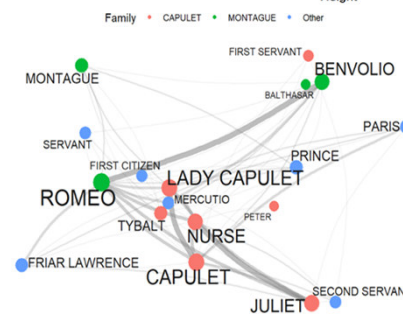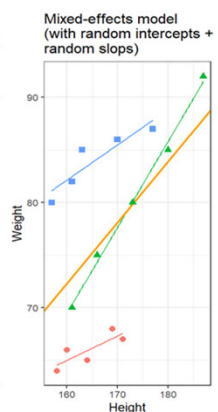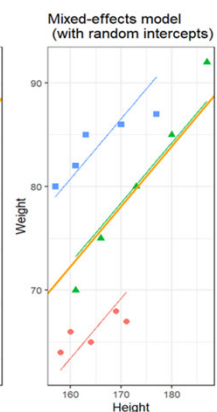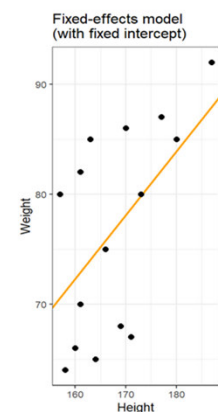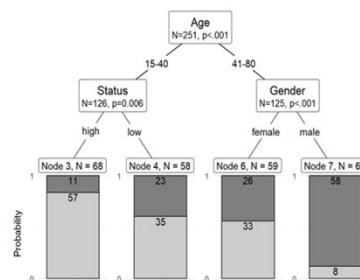
Key measure so far:

- 42 tutorials, case studies, and how-tos

- 15 interactive Jupyter notebooks
  (on Google Colab – moving to Binder)

- More than **400,000 page views, 200,000 different users, 350,000 sessions**

- LADAL resources used **all around the world** (from university courses on quantitative methods in Norway to dashboards for medical school in California) **by diverse users from various fields** (from linguists to psychologists to artists)
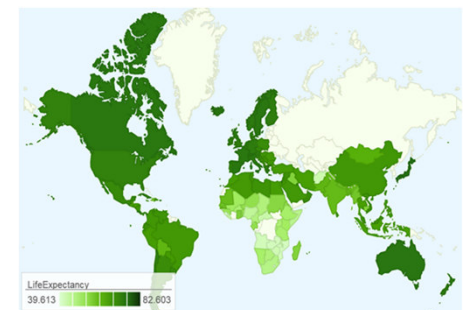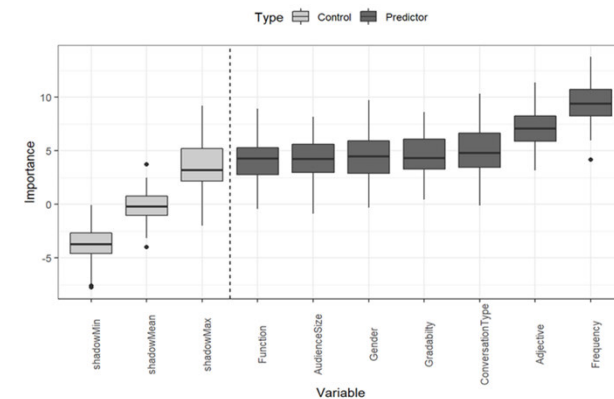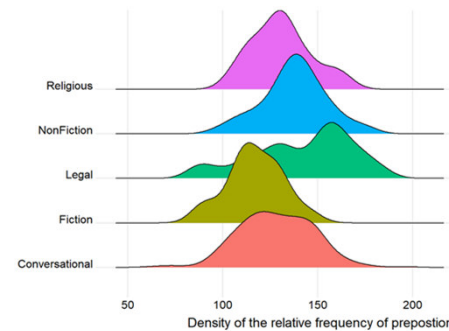
What we hope to achieve with ATAP | LADAL?

What we hope to achieve?

- Enable researchers to pursue **new pathways** by using innovative methods and new types of data

- **Improve transparency and quality** by showcasing how to produce reproducible workflows)

- Improve **data access and management,** assist in making workflows **tidier**, more **transparent** and **more efficient**.

- Provide an **infrastructure for acquiring computational skills** (relevant for academia | employability for graduates)

- Showcase **comp. methods can be used across HASS disciplines**