

# MEET THE TEAM: INSTITUTIONAL DATA@ANZ

## Data2App Tutorial Melbourne Datathon 2018



<https://github.com/tdszyman/datathon-tutorial>  
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# ANZ INSTITUTIONAL DATA SCIENCE

## ANZ Banking Group

- Top 4 banks in Australia
- Largest banking group in New Zealand

## Our division

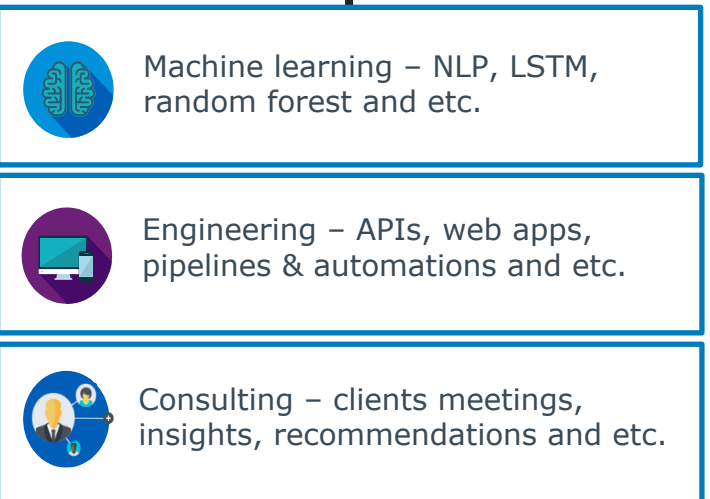
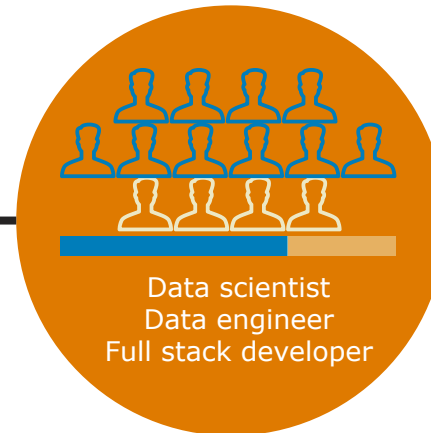
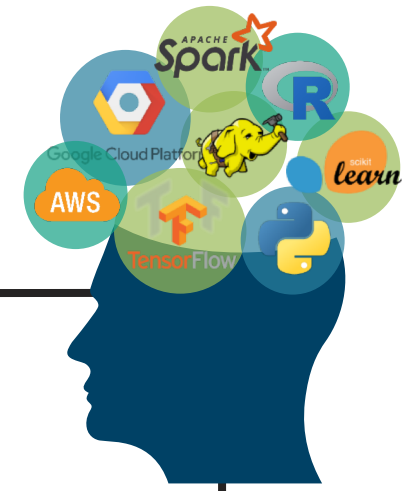
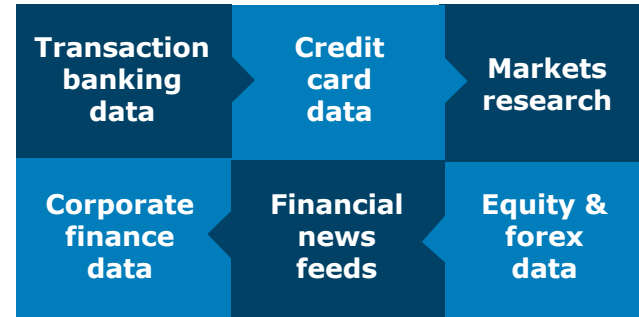
- No. 1 Institutional Bank for market penetration in AU and NZ.
- Top 4 corporate bank in Asia
- Clients with over 400 million revenues.

## Our team

- Started in 2016 with 3 people
- 20 people from 10 different countries

## Best Industry Skills Full stack developer

- Data scientist/ ML Engineer
- Data engineer/ Data Pipeline
- Front End/ Apps/ UI



*And more...*

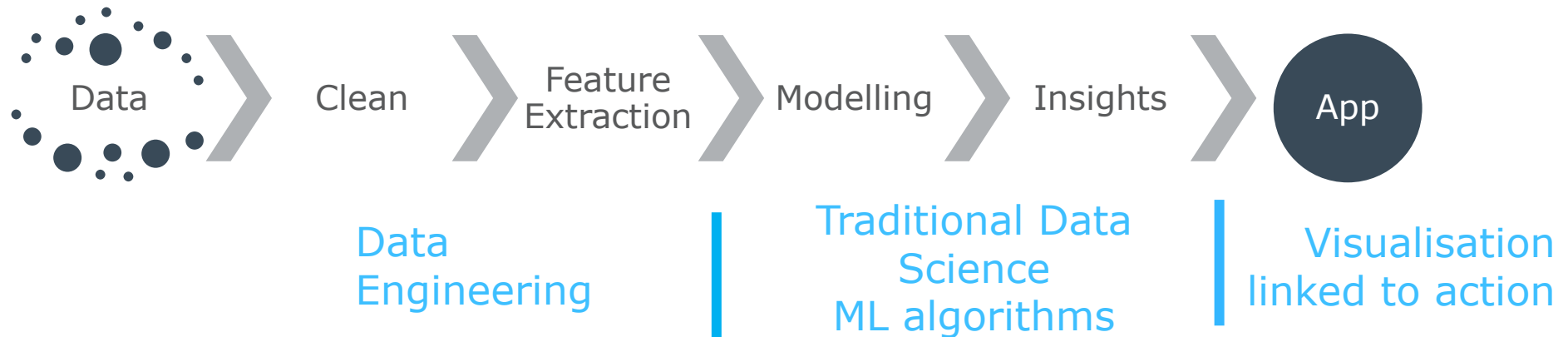


**Find out more**

<http://www.datasciencemelbourne.com/datathon/>



# FROM DATA TO APP



Customers want to interact with data the way they use apps in their personal lives

## DATA 2 APP

All details on <http://www.datasciencemelbourne.com/datathon/>

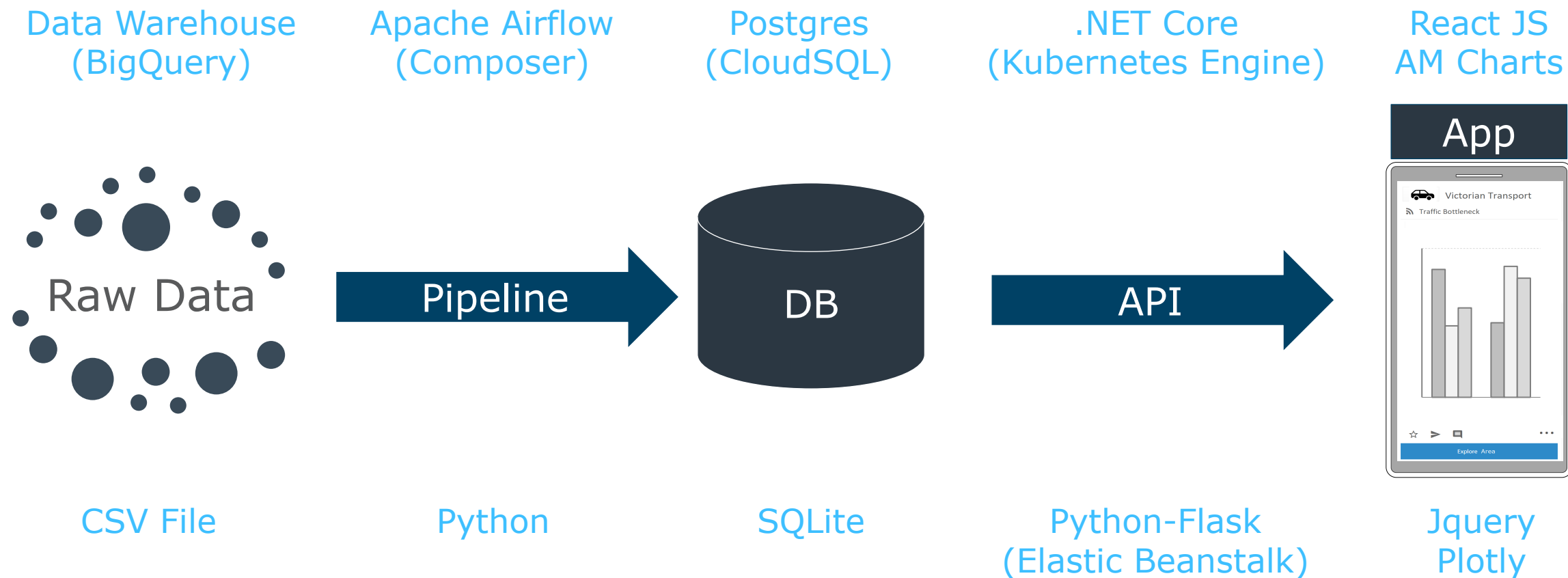
### **How do I enter the Data2App competition?**

- Build an app
- Make a YouTube video demonstrating your app
- Give us access to your app (web hosted version, source code)

### **How will the winners be determined?**

- Does the app tell a good story with insights?
- Does the app facilitate business actions based on those insights?
- Does the application effectively make use of current technology?
- Is the application scalable to a real-world production environment?

# FROM DATA TO APP IN 20 MINUTES



<http://dev-env.24hvv4z77n.ap-southeast-2.elasticbeanstalk.com/>  
<https://github.com/tdszyman/datathon-tutorial>  
<https://github.com/robertf99/Data2AppRTut>

## APPENDIX – FLASK RESOURCES

- Official Tutorial
  - <http://flask.pocoo.org/docs/1.0/tutorial/>
- Other Online Tutorials
  - <https://pythonspot.com/flask-web-app-with-python/>
  - <https://code.tutsplus.com/tutorials/creating-a-web-app-from-scratch-using-python-flask-and-mysql--cms-22972>
- Online Course
  - <https://www.udemy.com/python-flask-tutorial-step-by-step/>

## APPENDIX – PYTHON RESOURCES

- Official Getting Started
  - <https://www.python.org/about/gettingstarted/>
- Other Online Tutorials
  - Contains links to many useful Python resources:  
<https://wiki.python.org/moin/BeginnersGuide/Programmers>
  - <https://www.datacamp.com/courses/intro-to-python-for-data-science>

## APPENDIX – PANDAS RESOURCES

- Official Tutorial
  - <https://pandas.pydata.org/pandas-docs/stable/tutorials.html>
- Other Online Tutorials
  - [https://www.learnpython.org/en/Pandas\\_Basics](https://www.learnpython.org/en/Pandas_Basics)
  - <https://www.datacamp.com/community/tutorials/pandas-tutorial-dataframe-python>
  - <https://www.dataschool.io/best-python-pandas-resources/>



## APPENDIX – HTML AND CSS RESOURCES

- HTML
  - <https://www.sololearn.com/Course/HTML>
- CSS
  - <https://www.sololearn.com/Course/CSS>
- Bootstrap
  - <https://getbootstrap.com/docs/4.1/getting-started/introduction/>

# APPENDIX – JAVASCRIPT – PART 1

- JavaScript
  - <https://www.sololearn.com/Course/JavaScript>
- JavaScript: The Good Parts
  - <https://www.angusrobertson.com.au/books/javascript-the-good-parts-douglas-crockford/p/9780596517748>
- You Don't Know JS by Kyle Simpson (Advanced Reading)
- JQuery
  - Official Site: <https://jquery.com/>
  - Official Tutorial: <https://learn.jquery.com/about-jquery/how-jquery-works/>
  - Courses: <https://www.lynda.com/jQuery-training-tutorials/246-0.html>
- Angular
  - Official Tutorial: <https://docs.angularjs.org/tutorial>

## APPENDIX – JAVASCRIPT – PART 2

- D3
  - <https://github.com/d3/d3/wiki/Gallery>
- AM Charts
  - <https://www.amcharts.com/demos/>
- React
  - Official Tutorial: <https://reactjs.org/tutorial/tutorial.html>
  - Quick Tutorial (if you have a little JS experience): <http://www.react.express/>
  - Courses: <https://www.lynda.com/React-js-training-tutorials/7049-0.html>

## APPENDIX – DJANGO RESOURCES

- Official Tutorials
  - <https://docs.djangoproject.com/en/dev/intro/tutorial01/>
  - <https://code.djangoproject.com/wiki/Tutorials>
- Other Online Tutorial
  - <https://www.youtube.com/playlist?list=PL6gx4Cwl9DGBImzzFcLgDhKTTfNLfX1IK>
- Online Course
  - <https://www.udemy.com/python-and-django-full-stack-web-developer-bootcamp/>

## APPENDIX – DASH RESOURCES

- Official Tutorial
  - <https://dash.plot.ly/getting-started>
- Other Online Tutorial
  - [https://www.youtube.com/playlist?list=PLQVvvaa0QuDfsGImWNt1eUEveHOe\\_pkjqt](https://www.youtube.com/playlist?list=PLQVvvaa0QuDfsGImWNt1eUEveHOe_pkjqt)

## APPENDIX – R SHINY RESOURCES

- Official Tutorial
  - <https://shiny.rstudio.com/tutorial/>
- Shiny Dashboard
  - [https://rstudio.github.io/shinydashboard/get\\_started.html](https://rstudio.github.io/shinydashboard/get_started.html)
- Shiny JS
  - <https://deanattali.com/shinyjs/basic>
- Online Course
  - <https://www.udemy.com/getting-started-with-shiny/>
  - <https://www.udemy.com/r-shiny-apps/>
  - <https://www.udemy.com/building-interactive-graphs-with-ggplot2-and-shiny/>
  - <https://www.udemy.com/advanced-shiny/>