



# FanCo. Background

- Based in Boston (primary market)
- Launching in NY City this summer.
- FanCo. sells one product called FanCo. Classic, in multiple vibrant colors. Advanced fan + misting technology. Connects to a smartphone app for advanced functionality
- Sales channels - retail and direct to consumers via sales team



# FanCo. Goals

- Understand the key factors to drive sales of its products
- Build a web application to manage its workforce and drive a successful and profitable summer launch

# How you can help

Build a web app to help the sales team browse sales data and understand the relationship between weather and the FanCo. classic sales.

# Tech Requirements

- Single page AngularJS app
- Node.js backend
- Database of your choice
- Deployed on AWS (extra credit: deployed in IBM Bluemix)
- Must integrate at least 2 D3.js charts (extra credit: implemented in custom angular directives)

# UI and Functionality

- Two views/states with appealing navigation
- State 1: Analysis of FanCo. historical sales in Boston
  - Must be able to view sales as a whole, and zoom in to levels by product, sales channel and sub-geo (dataset will be provided)
  - Extra credit: show other datapoints in addition to sales, such as weather, demographics etc
- State 2: Weather alerts and sales deployment
  - Connect application to live weather forecast API
  - View live updating weather forecast as a D3 line chart, bar chart or a different D3 visualization
  - Custom weather alerts displayed on the page based on temperature, rain etc.
  - Extra Credit: Automatic text message alerts to sellers based on alerts

# Provided by FanCo.

- CSV dataset with historical sales data in Boston and other datapoints
- API key to weather API
  - eae18de7d92e5fa1893eeb187956805f

- Optional weather service
- <https://developer.forecast.io/docs/v2>



# Ask us anything

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