

# Agenda

Why?: Goals

What?: Features

How?: Architecture

What's next?: Future directions

Live demo





## Goals of runway

- Capstone synthesis of data science techniques with preexisting development and database skills
- For the scientists a basic toolkit of EDA and modeling techniques at our fingertips
- For students and enthusiasts an appealing, easy-to-use mobile/web platform for learning about data science
- Community enable sharing of datasets and models

### **Current features**

#### DATA SCIENCE

- Creation of new datasets including one or more data files
- EDA tables and visualizations including distributions, nulls, correlations
- Transforms dropping/imputing nulls, onehot encoding
- Modeling easy forms to create and train models (just scikit-learn for now)

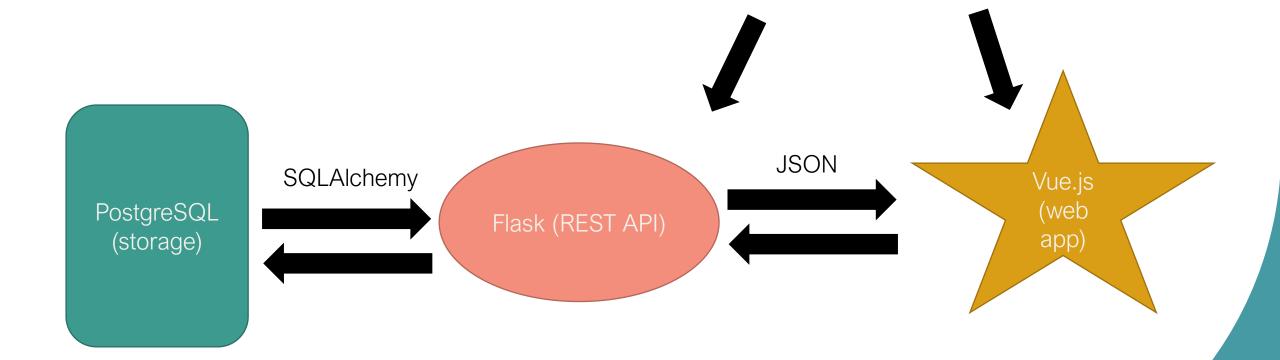
#### **PLATFORM**

- Authenticated "power user" experience vs. anonymous "read only" experience
- Easy sharing of datasets and models
- Allows authenticated users to download data files and models (pickle format)
- Extensible easy to add components for new EDA/transforms/models

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### Basic architecture

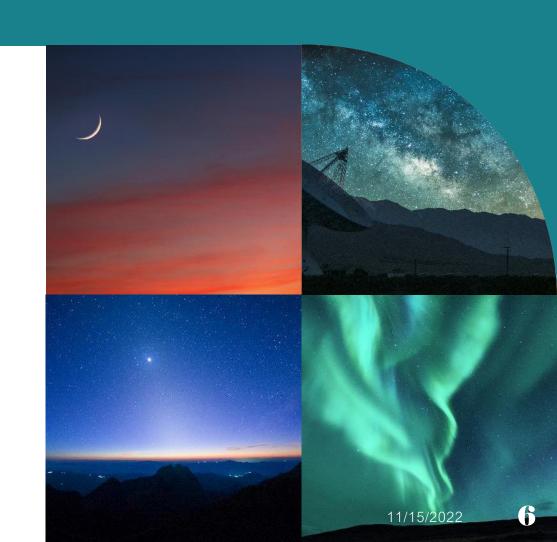
Auth0 (user mgmt/auth)



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### **Future directions**

- More EDA supported
- More models supported (incl. neural networks)
- Streaming data
- Scalability to large datasets
- Nicer user experience
- E-commerce...?





## Thank You

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