



# Feature Creation



# So far...

We transformed existing features:

- Filled missing values
- Transformed strings into numbers
- Discretized variables
- Changed distributions



# So far...

We created new features from individual variables:

- One hot encoding
- Datetime features
- Cyclical features





# Feature creation

Creation of new features by combining existing variables:

- Combine many variables with math functions
- Combine two variables with math functions
- Combine features with decision trees
- Polynomial Expansion
- Spline features

# Accompanying Jupyter Notebook



Demos in sklearn and  
Feature-engine

# THANK YOU

[www.trainindata.com](http://www.trainindata.com)