

# Homework 10: Predictive Modeling

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## Getting Started

### Load data

```
daily_rides <- read_csv("data/day-hw10.csv", col_types = cols_only(  
  date = col_date(),  
  year = col_integer(),  
  workingday = col_character(),  
  temp = col_double(),  
  atemp = col_double(),  
  casual = col_double(),  
  registered = col_double()  
) %>% mutate(across(c(workingday, year), as_factor))
```

### Exploratory Analytics

### Train-test split

## Linear Regression using Temperature

### Look inside the model

### Predictions

### Residuals Histogram

### Observed by Predicted

### Validate the model on the test set

### Predictions

### Residuals

### Observed by Predicted

### Quantify errors

### Summarize

Linear Regression using Temperature and Working Day

Decision Tree Regression

Wrap-up