

# Evaluation and Credibility

How much should we  
believe in what was  
learned?

# Introduction

- How predictive is the model we learned?
- Error on the training data is *not* a good indicator of performance on future data
  - *Q: Why?*
  - A: Because new data will probably not be **exactly** the same as the training data!
- Overfitting – fitting the training data too precisely - usually leads to poor results on new data

# Classification:

## Train, Validation, Test split

