# **Overfitting in classification**

## **Evaluating a classifier**

Diagram

Description automatically generated

## **Review of over-fitting in regression**

## **Over-fitting in classification**

## **Visualizing over-fitting with high degree polynomial features**

# **Over confident predictions due to overfitting**

# **L2 regularized Logistic Regression**

# **Sparse Logistic Regression**

# **Summarizing overfitting and regularization in logistic regression**