







What else is Machine Learning?

- Data Mining
 - "The nontrivial extraction of implicit, previously unknown, and potentially useful information from data."
 - W. Frawley and G. Piatetsky-Shapiro and C. Matheus
 - "..the science of extracting useful information from large data sets or databases."
 - D. Hand, H. Mannila, P. Smyth
 - "Data-driven discovery of models and patterns from massive observational data sets."
 - Padhraic Smyth









How good are our predictions?











































Conclusion

- Machine Learning has many challenging subproblems
- Many of these sub-problems can be solved!
- Many fascinating unsolved problems still remain

