







































































































































## Things to remember:

- 1. Explain some real-life examples of regression (including new ones, not from the lecture!)
- 2. Explain generalized regression model y = f(w,x)
- 3. Explain simple regression methods: linear, weighted, polynomial
- 4. Explain differences between linear and nonlinear models
- 5. Explain what overfitting is and how to avoid it (in regression context) Explain how SVM algorithm works (three main distinct features) Explain a kernel trick
- 6.
- 7.
- Explain what happens when model complexity increases for the same problem Explain how to adjust model complexity for a problem 8.
- 9.
- 10. Show and describe MLP scheme
- 11. Explain particular regression uses: data imputation, novelty detection, prediction