

## Hidden Markov Models: Entry survey

- What previous algorithm would you use for time series prediction?  
Answer: Linear regression. A perceptron or recurrent neural networks can do future prediction, too.
- What time series do you wish you could predict?  
Answer: Value of stocks, currencies, weather, etc?

## Exit survey

### Exit survey: Hidden Markov Models

- In the mining robot example, when is the uncertainty of the robot's trajectories reduced?  
Answer: When it comes back to where it visited before, thereby ruling out wrong alternatives based on sensor information.
- How is Particle Filtering like and unlike a water filter?  
Answer: They both filter particles, but PF will only filter particles that are inconsistent with the agent's educated guess. Also, PF's filtered output will contain some structure.