1) Fraud Detection

2) Spelling and Grammer correction

3) A tool for producing a rough draft of a scientific paper given the data that should be included in that paper

4) Train a neural network to distinguish between cats and dogs and see if its lower layers can be used in facial recognition (I think scikit-learn has a database of pictures of some famous people like bush etc)

5) A neural network version of snarxive

6) Machine learning for weather prediction (basically predicting the probability for it to rain)

7) Machine learning for elections (predict the proportion of votes for each party)

8) Identify emotions of people from their pictures (read about 'cross-validation with groups', in the book by Muller and Guido)

9) Identify a person from his voice sample (Then use this to identify all the people in a given set of background voices) ---- This sounds very similar to the kaggle Career Con 2019 competition aimed at identifying the surface on which a robot is moving