Don’t have much experience with this, so these could be way too hard or easy

* Image recognition
  + <https://www.kaggle.com/c/digit-recognizer/data>
    - Determining a number from a picture of the way someone wrote it
  + <https://www.kaggle.com/c/quickdraw-doodle-recognition>
  + <https://www.kaggle.com/c/landmark-retrieval-challenge>
    - Given a picture of a landmark, return all other pictures in that dataset containing that landmark
  + <https://www.kaggle.com/c/painter-by-numbers/data>
    - Given an image of a painting, determine if it was made by a certain artist
  + <https://www.kaggle.com/c/multi-modal-gesture-recognition/data>
    - Recognizing a physical gesture
* Text classification
  + <https://www.kaggle.com/c/jigsaw-toxic-comment-classification-challenge>
    - Recognizing hateful comments on online forums
* Pattern recognition
  + <https://www.kaggle.com/c/integer-sequence-learning>
    - Given the start of a sequence of numbers, predict the next value
* Not sure how to classify
  + <https://www.kaggle.com/c/melbourne-university-seizure-prediction>
* Non-Kaggle idea
  + App which you provide with your favorite foods, and it can predict and recommend other foods you may like (idea from one of my coworkers who does machine learning)
    - Not sure where we could get the data from