

## Datasets of interest

1. Employee Attrition – Determine likelihood of employee staying in a company. This is useful for companies that would like to know whether to invest in a new employee, or even what kind of people to hire.
  - a. Data set will be obtained from data.world, kaggle or statista. Ideally, meta would contain Education level, Environment Satisfaction, Job Involvement, Job Satisfaction, performance rating, work life balance.
  - b. <https://www.statista.com/statistics/933710/professional-services-worldwide-employee-attrition/>
2. Recommendation system for Project Hymnal App – Firstly determine if user will continue using the app or leave within a month. For the next capstone, create a recommendation function for the app based on user's historic data.
  - a. Data used will be collected from using google cloud analytics as a nested json file.
  - b. Source – from housemates phone application
3. Facial recognition – Determine a person's race and age based on image.
  - a. Data set can be obtained from rapidpi, bioid provided by BioID GmbH. These will be sets of images that will be used to train the model.
  - b. <https://www.bioid.com/facedb/>
  - c. <https://rapidapi.com/lambda/api/face-recognition-and-face-detection>