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CAPSTONE 2 PROJECT IDEAS
DATA SCIENCE - CAREER TRACK

Idea 1: Titanic: Machine Learning from Disaster

All three of these ideas are machine learning projects. The Titanic dataset is available on Kaggle and machine learning would be used to predict which passengers survived. This would be an example of using binary classification.

Idea 2: E-commerce: Predicting User Actions

Another machine learning project idea would be to predict user action on a website, given information about a user's session: are they on a mobile device, how long did the session last, how many products were viewed, is the user a returning visitor, what time did the user visit the site, and what was the ultimate action taken (out of 4 options): bounce, add to cart, being checkout or end checkout. This would be an example of a deep learning problem. The dataset is available on github and is part of a Udemy course on deep learning: https://github.com/lazyprogrammer/machine_learning_examples/blob/master/ann_logistic_extra/ecommerce_data.csv

Idea 3: Predicting Horse Racing Outcomes

Another gambling project! The last idea I had for a machine learning project would be to collect historical horse racing outcomes and use ML algorithms to predict future outcomes. This article details this problem using a gradient boosting machine model and a neural network model: http://blog.nycdatascience.com/student-works/horse-racing/