**Final Project Ideas**

<https://www.kaggle.com/iarunava/cell-images-for-detecting-malaria>

-convolutional neural network to predict if cells contain malaria

<https://www.kaggle.com/kmader/skin-cancer-mnist-ham10000#hmnist_28_28_L.csv>

-convolutional neural network for skin cancer

<https://www.kaggle.com/paultimothymooney/blood-cells>

-CNN with blood cells

<https://www.kaggle.com/paultimothymooney/chiu-2015>

-CNN with eye images to predict diabetic macular edema

<https://www.kaggle.com/paultimothymooney/chest-xray-pneumonia>

-CNN with chest x-rays to predict pneumonia

<https://www.kaggle.com/kmader/nih-deeplesion-subset#DL_info.csv>

-CNN for lesion detection

<https://www.kaggle.com/HackandHealth/home-medical-visits-healthcare>

-time series analysis

-leaflet map

<https://www.kaggle.com/cms/cms-state-summary-of-inpatient-charge-data>

-unsupervised machine learning (clustering)

-group MS-DRGs (medical codes) first with website below:

<https://www.cms.gov/ICD10Manual/version33-fullcode-cms/fullcode_cms/P0001.html>

<https://www.kaggle.com/ronitf/heart-disease-uci>

-predictive modeling for heart disease

<https://www.kaggle.com/mazharkarimi/heart-disease-and-stroke-prevention>

-leaflet map of US heart disease, heart failure

<https://www.kaggle.com/cms/medicare-skilled-nursing-facility-provider-reports#medicare-skilled-nursing-facility-snf-provider-aggregate-report-cy-2014.csv>

<https://www.kaggle.com/cms/cms-hospital-service-area-file-2016-2017#hospital-service-area-file-2017.csv>

-leaflet map by zip code

<https://www.kaggle.com/cms/medicare-physician-other-supplier-npi-aggregates>

-leaflet map by country

<https://www.kaggle.com/uciml/breast-cancer-wisconsin-data>

<https://www.kaggle.com/kmader/mias-mammography#all_mias_scans.h5>

-predictive modeling of breast cancer

<https://www.kaggle.com/kevinarvai/clinvar-conflicting>

-predictive modeling of conflicting genetic classifications