

## **Sprint 3 Task Completion Definition**

### Understanding Healthcare Data

**Task 1:** Download 100k dataset and load patients with CHF.

- A folder of patient json files containing patients with CHF only.

**Task 2:** Convert the extracted data into a csv format suitable for use in a neural network.

- A group of csv files for each patient containing a matrix of the conditions that applied to them during the 2 years prior to their first rehospitalization.

**Task 3:** Improve the CNN in PyTorch.

- The CNN compiles, runs, and provides a 90%+ test accuracy

**Task 4:** Create a correct RNN in PyTorch

- The RNN compiles, runs, and provides a 90% test accuracy and is not identical to a FFN

**Task 5:** Create an SVM in Python

- The SVM runs and provides some accuracy