**Ghazikhani etal 2013 Ensemble of online neural networks for non-stationary and imbalanced data streams**

This seems like a good paper to look at.

* Cost-sensitive neural network

**Leung etal 2014 Deep learning of the tissue-regulated splicing code**

To improve learning on an unbalanced dataset, the authors biased the minibatches by increasing the number of positive samples using bootstrapping ???

**Frasca etal 2013 A neural network algorithm for semi-supervised node label learning from unbalanced data**

Uses a cost-sensitive optimization procedure

This paper is tackling a different problem where data are part of connected graphs.

**Murphey etal 2004 Neural Learning from Unbalanced Data**

Used multidimensional Gaussian noise modeling algorithm to generate extra data examples from the minority class. WUT?