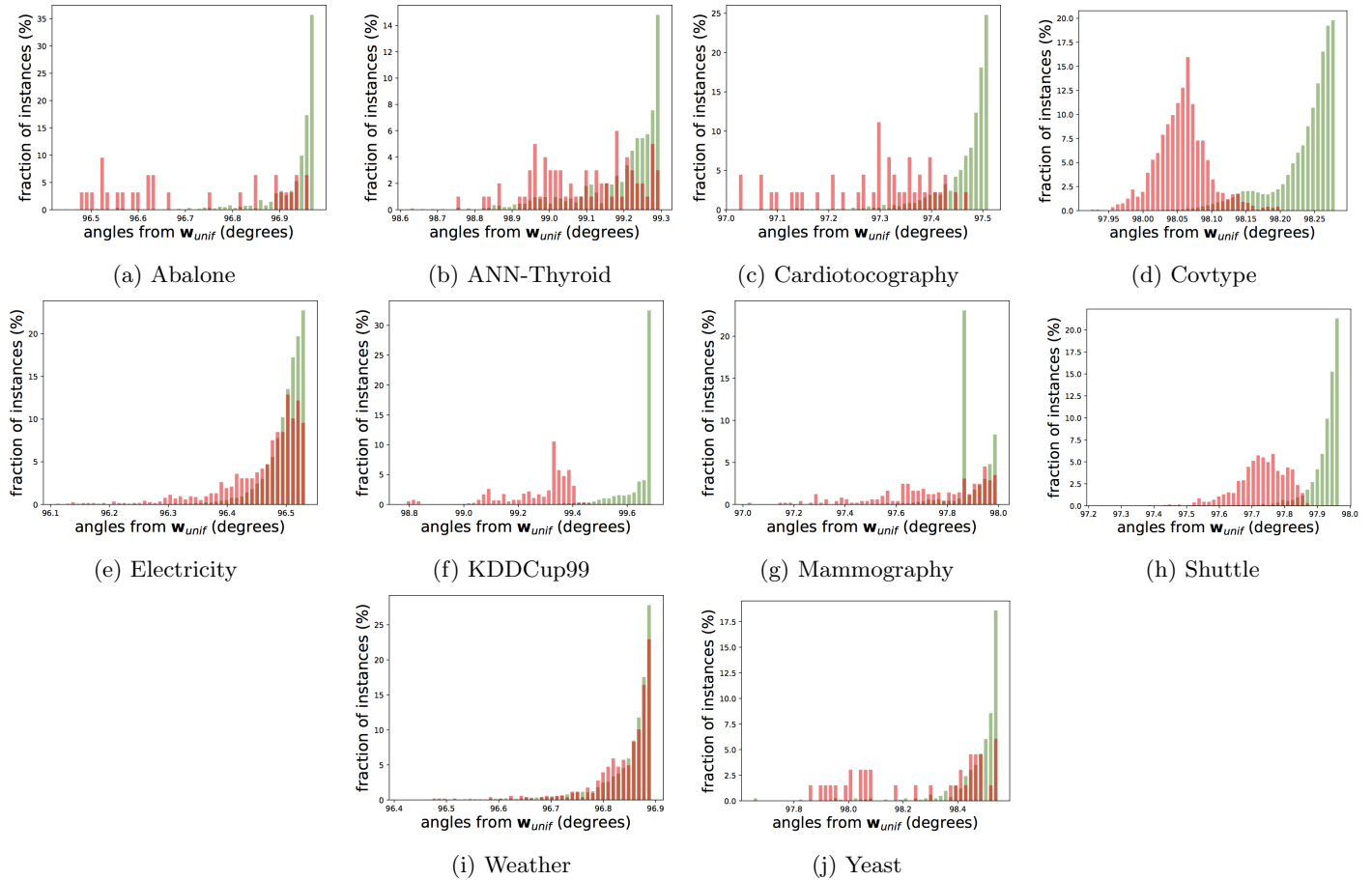# 1 Histogram of Angle Distributions for IFOR

The below figure shows that $\mathbf{w}_{unif}$ tends to have a smaller angular separation from the normalized IFOR score vectors of anomalies than from those of nominals.

(a) Abalone   (b) ANN-Thyroid   (c) Cardiotocography   (d) Covtype

(e) Electricity   (f) KDDCup99   (g) Mammography   (h) Shuttle

(i) Weather   (j) Yeast

Histogram distribution of the angles between score vectors from IFOR and $\mathbf{w}_{unif}$. The red and green histograms show the angle distributions for anomalies and nominals respectively. Since the red histograms are closer to the left, anomalies are aligned closer to $\mathbf{w}_{unif}$. Prior research has shown that *Weather* and *Electricity* are hard (Wu et al. 2014) and this is reflected in figures **(e)** and **(i)**.