# Sensitivity analysis

This code performs Sensitivity analysis of the model CiPAORdv1.0 to determine which drugs are most influential to risk classification thresholds. a small perturbation (plus or minus 10%) is applied to its probability distribution of torsade metric scores. Then this drug’s new scores together with the remaining drugs’ original scores are used as independent variables in the ordinal logistic regression to re-calculate the two thresholds.

## Data preparation

Model input is the metrics.rds calculated by AP\_simulation.

## Running the code

This code uses the following R packages: ggplot2 (version 2.2.0), and rms (version 4.5-0).

Rscript sens1.R