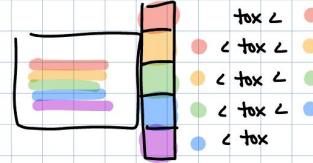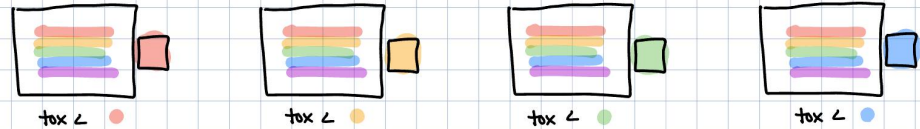# Past 2 Weeks

- Compared Models
    - Multi-Classifier
    - Separate Binary
    - Tree Binary
- Data
    - Mouse oral LD50 toxicity data (20,000 data points)
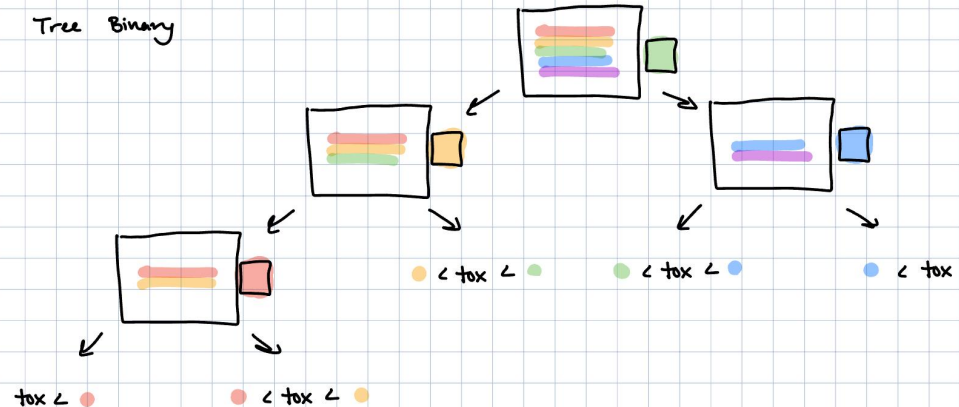   - Pre-split data for constant training and validation sets

Next 2 Weeks

- Re-compare separate and tree binary models
- Transfer learning model
  - Separate binary models
  - Mouse → Human
  - Try adding rat data (10,000 data points)
- Docking scores
  - Learn how to calculate
  - See if they can improve model performance
- Direct preference optimization (DPO)

F1 Scores by Cutoffs and Model Types