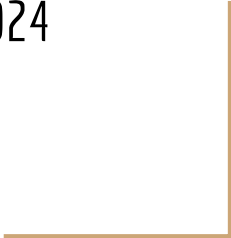


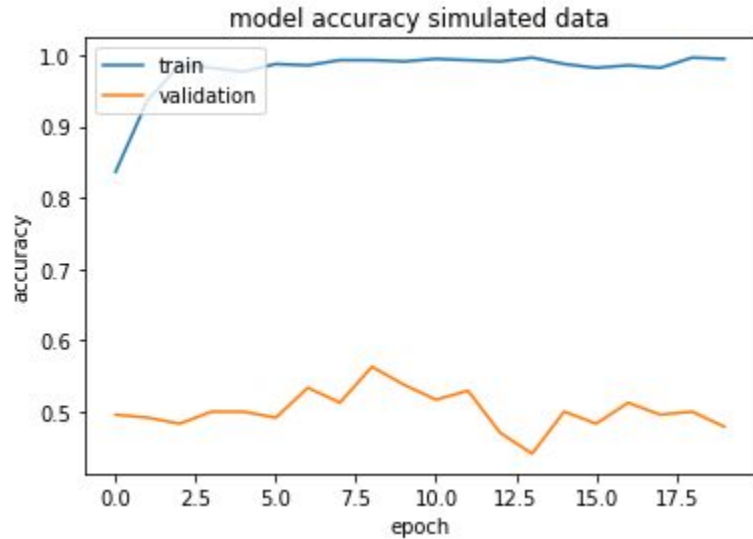


# Thesis update

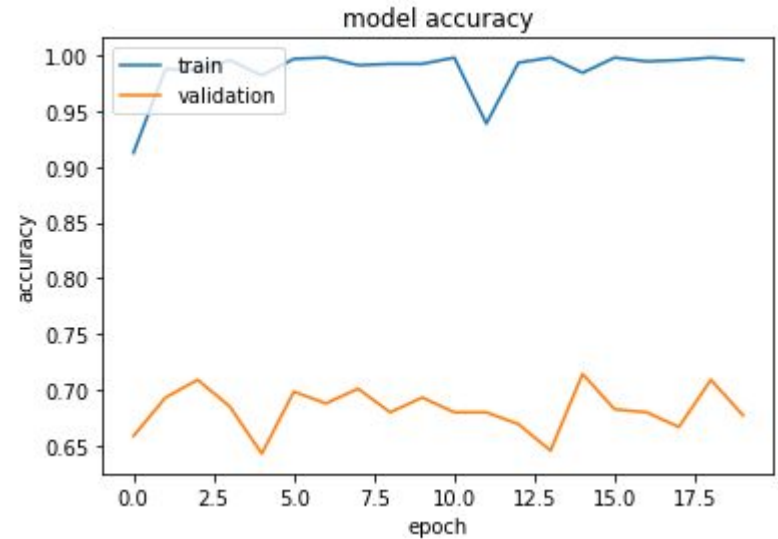
Silke Rice - 22/2/2024



# CNN

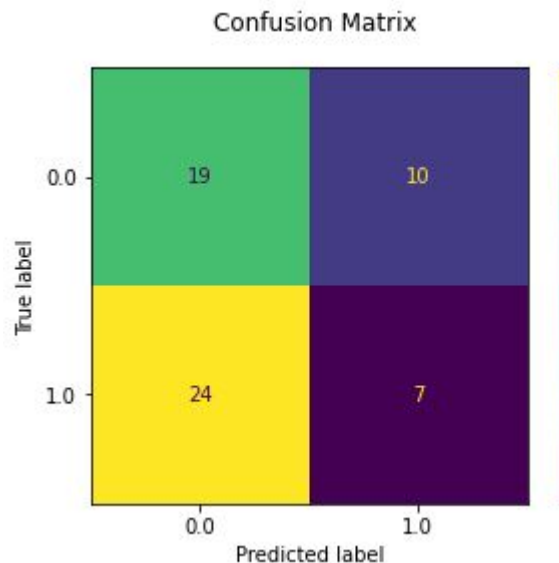


Training set: only simulated data,  
all different types of galaxies

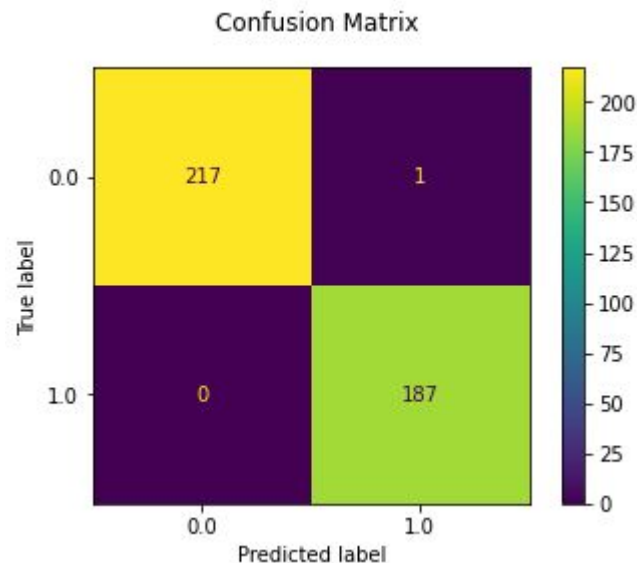


Training set: simulated strong  
lenses and real non strong lenses

# Ranking - Confusion Matrix (SVM)



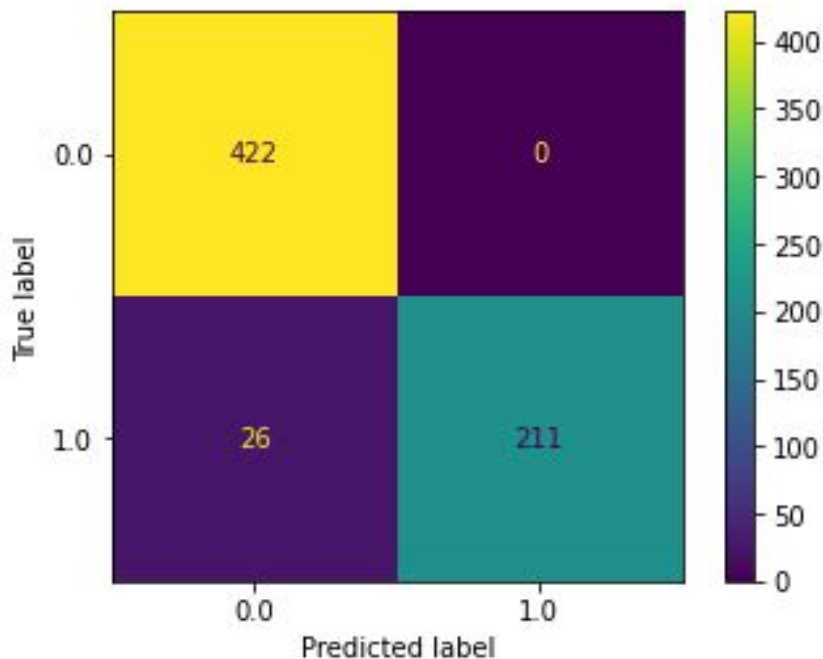
Only real data -  
ranking doesn't work?



Only simulated data -  
ranking too perfect?

# Ranking - Confusion Matrix (SVM)

Confusion Matrix

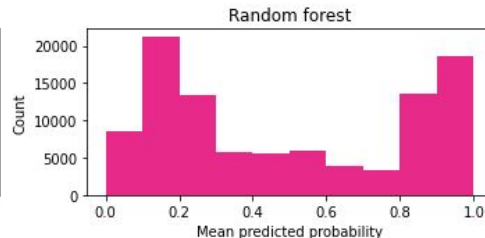
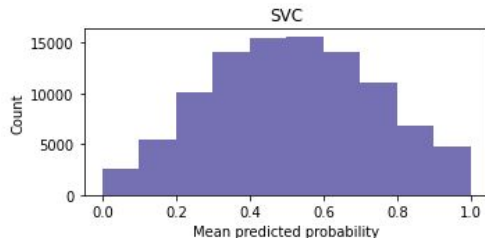
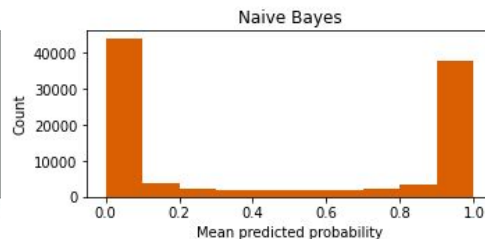
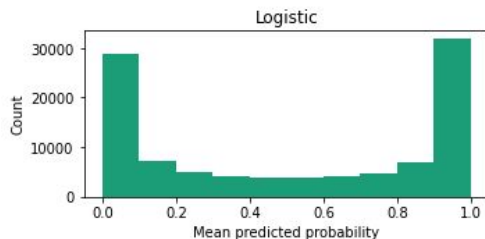
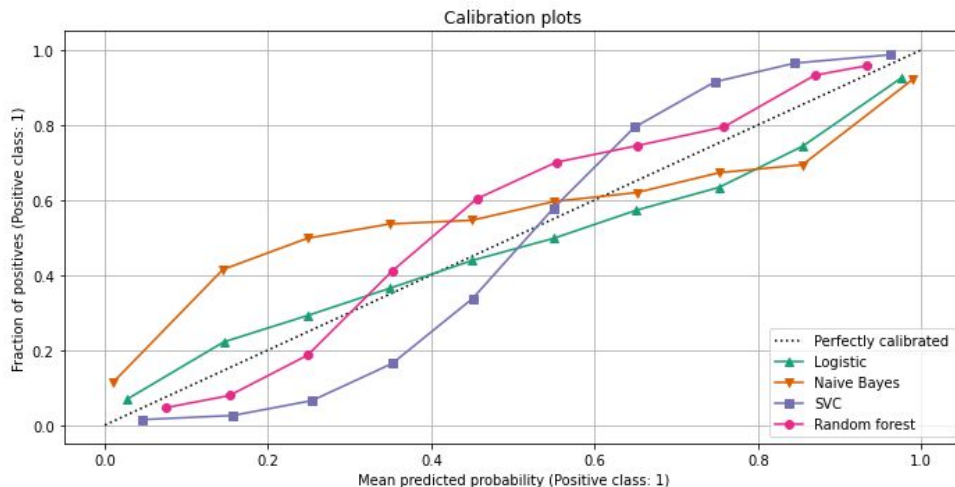


SL: simulated and real data

NSL: only real data

# Ranking - Calibration Plots

SL: simulated and real data  
NSL: only real data



# Continued work

1. Ranking is much faster but weird results?
  - Change ratio SL vs NSL?
  - Change classifier?
2. Big run on server with combination simulated and real data through existing CNN that does work.