ICLR CROP DETECTION WINNING SOLUTION
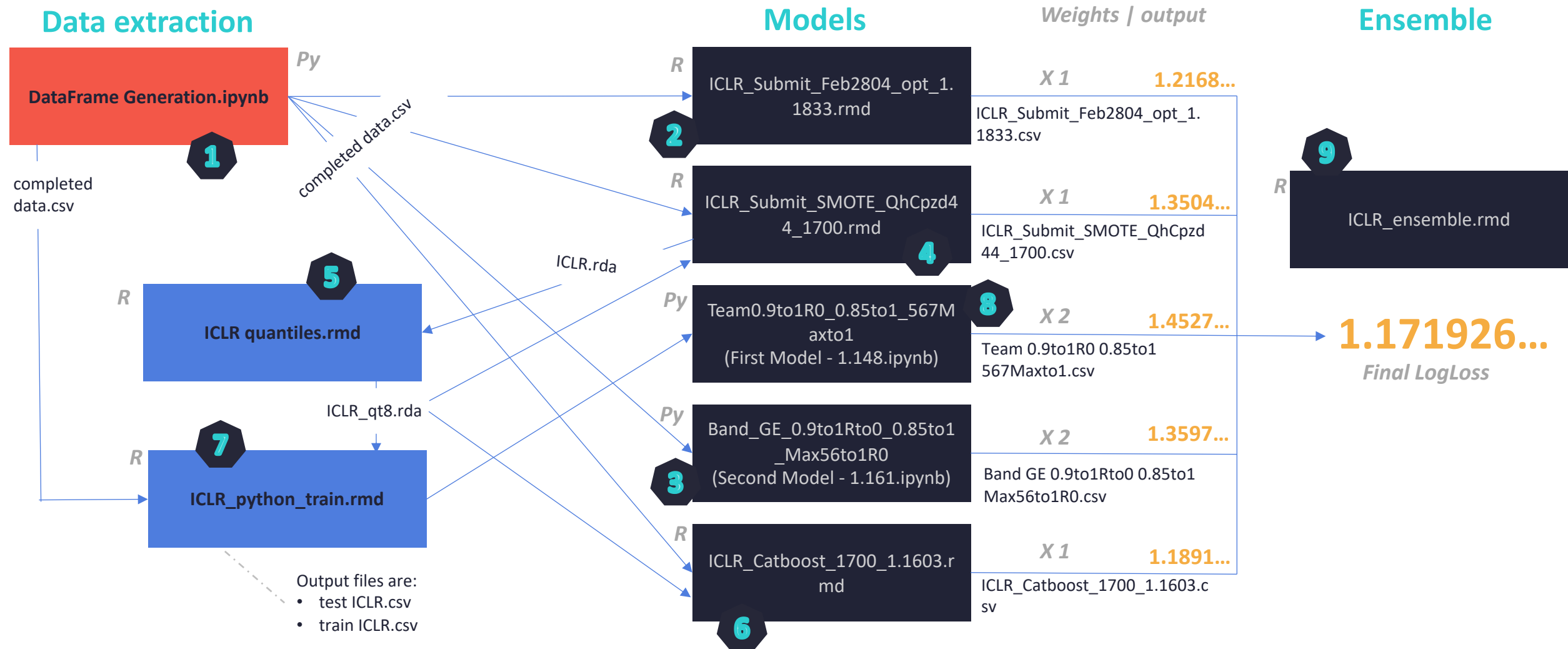
Threshold (Team)

Alchemi & DrFad

Model Architecture

The winning solution consists of 5 models ensembled with different weights

Data extraction

Models

Weights | output

Ensemble

Py

DataFrame Generation.ipynb ①

R ICLR_Submit_Feb2804_opt_1.1833.rmd ②

X 1 **1.2168...**

ICLR_Submit_Feb2804_opt_1.1833.csv

R ICLR_Submit_SMOTE_QhCpzd44_1700.rmd ④

X 1 **1.3504...**

ICLR_Submit_SMOTE_QhCpzd44_1700.csv

R ICLR_ensemble.rmd ⑨

completed data.csv

completed data.csv

ICLR.rda

⑤

R **ICLR quantiles.rmd**

Py Team0.9to1R0_0.85to1_567Maxto1
(First Model - 1.148.ipynb) ⑧

X 2 **1.4527...**

Team 0.9to1R0 0.85to1 567Maxto1.csv

1.171926...

Final LogLoss

ICLR_qt8.rda

⑦

R **ICLR_python_train.rmd**

Py Band_GE_0.9to1Rto0_0.85to1_Max56to1R0
(Second Model - 1.161.ipynb) ③

X 2 **1.3597...**

Band GE 0.9to1Rto0 0.85to1 Max56to1R0.csv

R ICLR_Catboost_1700_1.1603.rmd ⑥

X 1 **1.1891...**

ICLR_Catboost_1700_1.1603.csv

Output files are:
- test ICLR.csv
- train ICLR.csv

NB: When running step 4. After producing ICLR.rda, run step 5 and produce ICLR_qt8.rda, go back to step 4 and run completely

THANK YOU

Alchemi & DrFad