



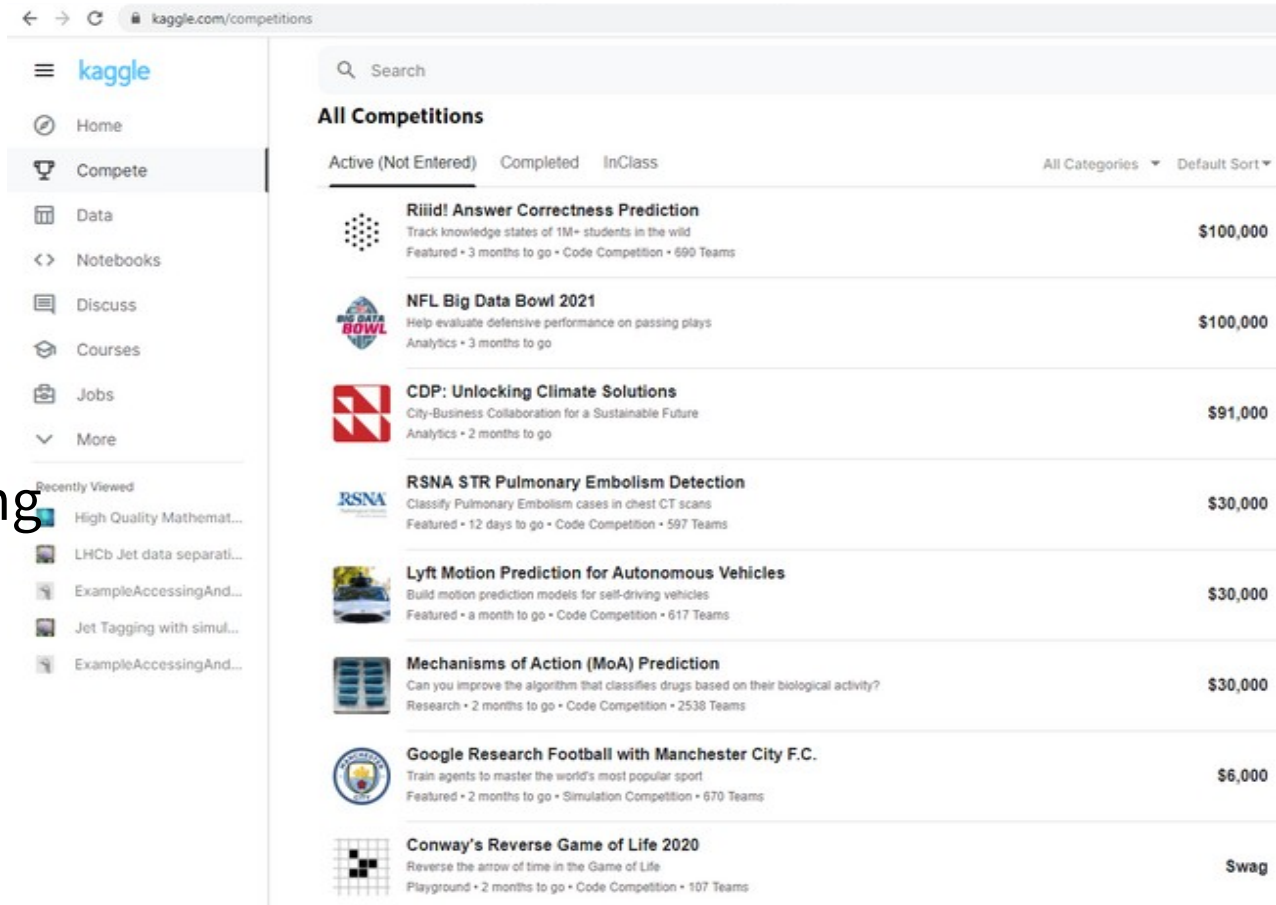
Kaggle competition

Separating LHCb b-jets from lighter jets



Kaggle: <https://kaggle.com>

- Kaggle is a website based around competitive category separations
- They host competitions and associated datasets where people are interested in finding patterns
- I set up a private competition for you to try



The screenshot shows the Kaggle website interface. The left sidebar contains navigation links: Home, Compete, Data, Notebooks, Discuss, Courses, Jobs, and More. Below these are 'Recently Viewed' items. The main content area displays 'All Competitions' with a search bar and filters for 'Active (Not Entered)', 'Completed', and 'InClass'. A list of competitions is shown, each with a logo, title, description, and prize amount.

Competition	Prize
Riiid! Answer Correctness Prediction	\$100,000
NFL Big Data Bowl 2021	\$100,000
CDP: Unlocking Climate Solutions	\$91,000
RSNA STR Pulmonary Embolism Detection	\$30,000
Lyft Motion Prediction for Autonomous Vehicles	\$30,000
Mechanisms of Action (MoA) Prediction	\$30,000
Google Research Football with Manchester City F.C.	\$6,000
Conway's Reverse Game of Life 2020	Swag

Competition link

- <https://www.kaggle.com/t/0b9621d4ab9f4fccb265feb195ec8484>
- The link above is needed to enter the competition
- The data is available from the competition data tab and also a copy is hosted here: <https://hep.ph.liv.ac.uk/~hutchcroft/JetTagging/> (that has the gzipped csv files and so is quicker to download).
- There is an example (bad) NN solution using Keras under public notebooks, also on the local link above, kaggle will run your Jupyter notebooks on their hosts
- Do the best separation your team can, 30% of the data is used for a public leaderboard the results on the other 70% is hidden and use to rank your submissions
- You have up to 20 submissions per team, the deadline is 12:30 BST (11:30 UTC) today
- Good luck!