

Seattle Trackml « teaser » hackathon



- ❑ trackml challenge will be released on kaggle in April watch this space <https://sites.google.com/site/trackmlparticle/> and that space <https://www.kaggle.com/c/trackml-particle-identification> and that one <https://twitter.com/trackmlhc>
- ❑ We planned on running this hackathon on Kaggle but some unexpected delay
- ❑ →we've put together this Seattle hackathon
 - →sufficiently different so that it cannot be considered as a beta-test
 - Very similar problem
 - Feedback from this hackathon very useful for the finalisation of trackml
- ❑ But we did not want to divert precious manpower resources from the challenge itself
- ❑ Some rough edge, documentation very limited
- ❑ Hackathon ends at 7PM but platform will remain open until Wednesday midnight
- ❑ Also by Wednesday night please submit to the builtin forum a simple description of your algorithm
- ❑ →prizes will be decided by our jury Thursday morning, and given at the end of the conference

Instructions



- ❑ https://competitions.codalab.org/competitions/18633?secret_key=a10f3d6b-8887-4c93-ab82-2ea93a2f51f7
- ❑ Register, but you can work as a team (only one person register)
- ❑ Use anaconda python3
- ❑ Pip install missing (or to be updated) packages
- ❑ Download data and starting kit
 - Hough_transform_starting_kit is the most complete
 - Hierarchical_clustering_starting_kit has more visual presentation
 - DBSCan has poor score

(walk through of the notebooks)

- ❑ You can compute the score by hand

```
python score.py ../starting_kitv2/submission.csv.zip  
../public_data/training/solution.csv
```

- ❑ Some notebook set up to process all events: magic lines to process just 5

```
event_generator = load_hit_generator(data_path)  
from itertools import islice  
event_generator = (e for e in islice(event_generator, 5) )
```

Instructions (2)



- You need to process 150 events which is a lot, you can process 10 and submit you'll get 10/150 of the score (enough at the beginning)
- Your submission should be named submission.csv.zip
- You appear only once on the leaderboard with your latest submission (so keep track of these)