



## Accelerometer Biometric Competition

Recognize users of mobile devices from accelerometer data  
\$5,000 · 633 teams · 4 years ago

Overview

Data

Discussion

Leaderboard

Rules

Late Submission

### Overview

#### Description

Since everyone moves differently and accelerometers are fast becoming ubiquitous, this competition is designed to investigate the feasibility of using accelerometer data as a biometric for identifying users of mobile devices.

#### Evaluation

#### Prizes

Seal has collected accelerometer data from several hundred users over a period of several months during normal device usage. To collect the data, we published an [app](#) on Google's Android PlayStore that samples accelerometer data in the background and posts it to a central database for analysis.

#### About The Sponsor

#### More On Accelerometer Data

#### Winners

We have uploaded approximately 60 million unique samples of accelerometer data collected from 387 different devices. These are split into equal sets for training and test. Samples in the training set are labeled with the unique device from which the data was collected. The test set is demarcated into 90k sequences of consecutive samples from one device. A file of test questions is provided in which you are asked to determine whether the accelerometer data came from the proposed device.

### Leaderboard

- 1 gaddawin
- 2 Solórzano
- 3 Target Leak Model
- 4 Dan Stahlke
- 5 Dieselboy
- 6 Victor
- 7 YS-L
- 8 Guillaume BS

### 44 discussion topics

- [what just happened on the leaderboard!](#)  
5 replies · 4 years ago
- [11th Hour](#)  
16 replies · 4 years ago
- [Final Requirements](#)  
3 replies · 4 years ago
- [Is there a way I can get the ground truth](#)  
0 replies · 4 years ago
- [Scores without leakage.](#)  
11 replies · 4 years ago

Launch  
4 years ago

Close  
4 years ago

633

773

Teams

Competitors

Points This competition awarded standard [ranking points](#)  
Tiers This competition counted towards [tiers](#)

Tags

auc

small

