



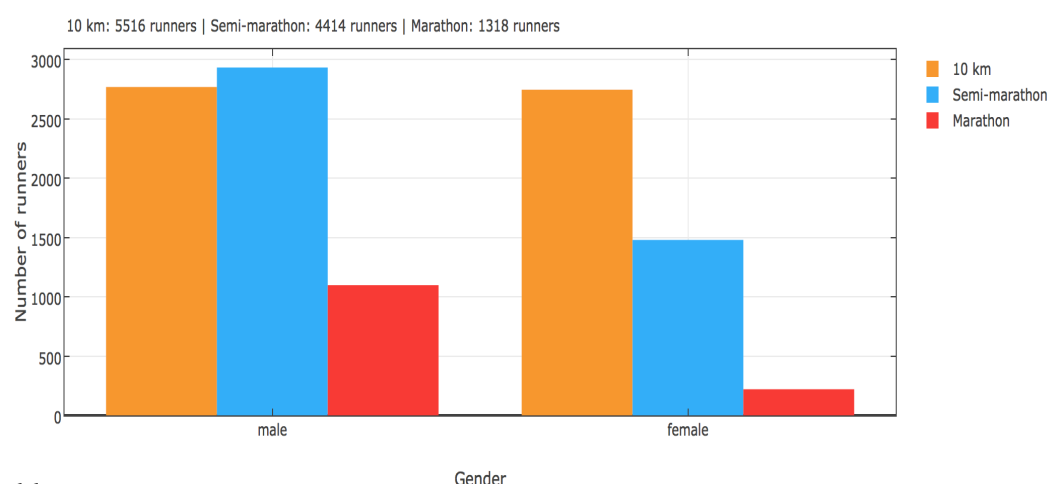
[HTTPS://ANTITOINE.GITHUB.IO/ADAEPFL-PROJECT/](https://antitoine.github.io/adaepfl-project/)

## IN-DEPTH ANALYSIS OF LAUSANNE MARATHON 2016

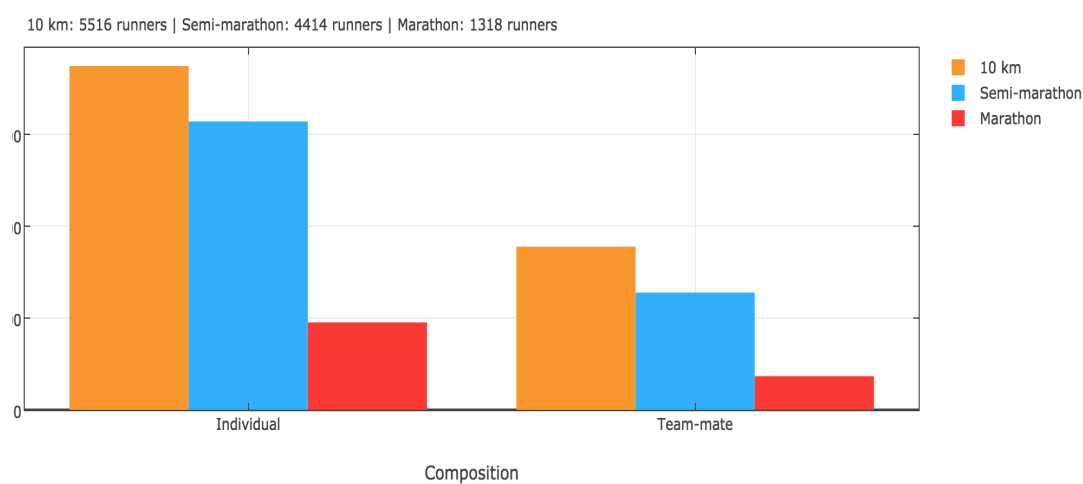
- **GLOBAL ANALYSIS OF DATA: DETERMINATION OF PROFILE OF RUNNERS**
- **FOCUS ON PERFORMANCE: HOW RUNNERS OF LAST YEAR PERFORMED?**
- **FROM INDIVIDUAL RUNNERS TO TEAM-MATES: ARE THERE ANY DIFFERENCES?**

## ANALYSIS OF DISTRIBUTIONS

Gender distribution by distance



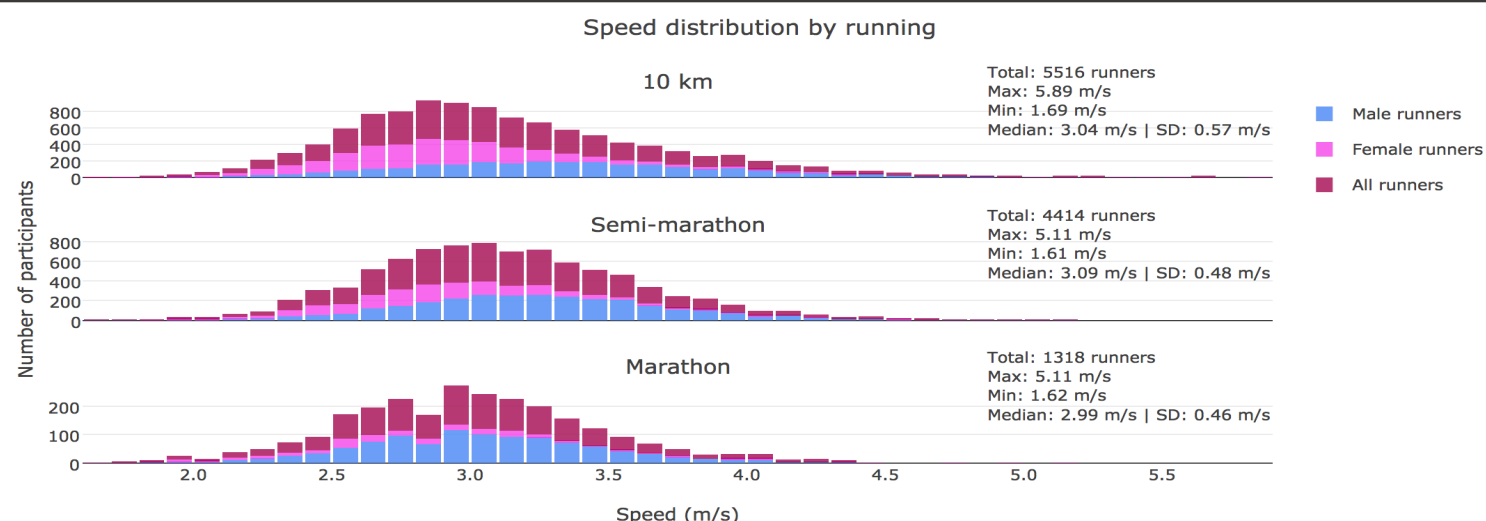
Team/individual runners composition



“Women don’t even dare to start the race unless they are totally sure to master the distance unlike men, who sometimes finish completely exhausted.”

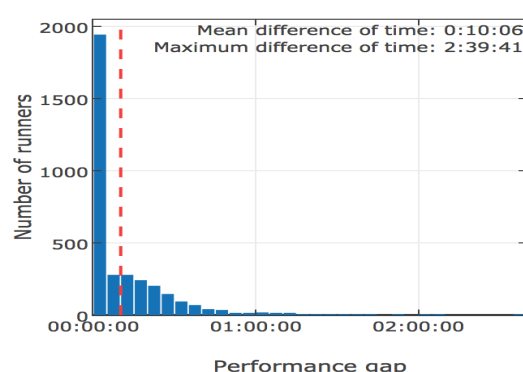
## IN-DEPTH STUDY OF PERFORMANCE

- **No real difference for speed between the different races**
- **Average speed of runners of Lausanne Marathon was higher than the one of runners of Paris Marathon! Well-done! 😊**
- **Gap between men and women tends to decrease as distance increases.**



## WHAT WE LEARN FROM TEAM-MATE RUNNERS?

Time difference with the best runner in team



For 10-km running, most people who were part of a team ran in pair/group. **What a team spirit! Possible visual, accurate identification of clusters of runners!**

**Most of people who are part of the same team finish together. They share same performance profile.**

**Runners in team perform better than individual ones!**

