



Wolt Data Science Internship

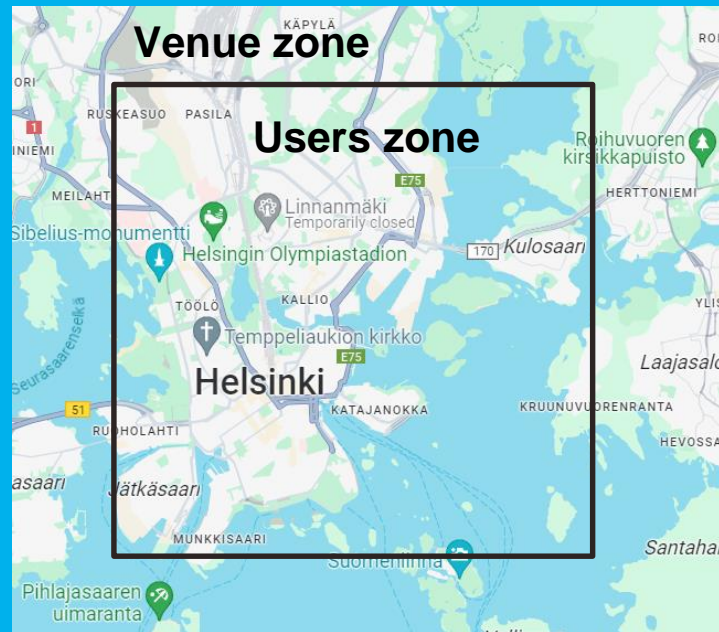
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About the food orders data

Data with food orders from Wolt:

- 1 Aug – 30 Sep 2020
- 18706 orders
- Actual delivery time is almost lower than estimated (sometimes up to 20 min)!
- Orders amount significantly increases by the end of a week (almost 1.5 times)
- Almost half of orders are small (1-2 items), but people order up to 11 positions
- More than 50% orders are delivered longer than for 30 minutes



What to predict?

We cannot predict exact order size, but we can predict is it small or big:

- Small order – 1-2 items
- Big order – 3 items and more

It can be used for discovering high profitable districts, where the orders are most common

Features to improve:

- Enlarge dataset size and to take into account weather conditions
- Make a model predicting orders amount in a day depending on weather conditions (now it's impossible because of small dataset)
- Add more info about districts where orders coming from (venues nearby, transport availability, student campus or regular dormitory area)



About the courier data

Courier info from Wolt:

- 31 May 2021 – 31 May 2023
- From 34 to 86 couriers online
- Actual delivery time is almost lower then estimated (sometimes up to 20 min)!
- Weather conditions for whole period



What to predict?

We can predict approximate courier number depends on weather conditions

- A few – up to 60 couriers
- Average – from 60 to 75 couriers
- Plenty – more 75 couriers



It can be used for:

- prediction couriers amount and calling extra workers by high demand

What to improve:

- Finalize prediction model adding available courier amount for the next day
- Add personal couriers' data: place of living, age, education, family status, availability of a vehicle and so on

Conclusion!

Last but not least: data analysis is really creative field of knowledge, and I wish to show all my abilities to prove my skills but it's impossible in short term range of one test case, so,

I hope you like my work and I would like to meet all Wolt team soon!





About me

By the way, it's me, creator of this work,
Anastasiia Murashova 😊

- I am new resident in Finland open to work
- My background is tied with data analytics and software engineering
- I like to be in touch with people and help them
- Any require for me – is a problem I want to solve!



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