

# The Trip data set

## Permissions

The data supplier wishes to remain anonymous. I am to refer to the data as trips from "a transportation service provider". I am not permitted to make the data set itself public. I have permission to use this data and make the final report/notebook public.

## About this data set

The data has about 200K rows. Each row is a trip booked with this service during 2017 in the Pacific time zone. Complete trips delivered 1 or more passengers from one or more origin locations to one or more destinations. Canceled trips are where no pickups happened. Incompletely specified trips are not part of the data set. The data set contains test trips which appear mostly normal but did not actually happen and are not explicitly marked. Best to filter those out.

## Privacy

Steps have been taken to protect the identities and personal information of the trip organizers, drivers, and passengers. Names, addresses, and phone numbers **do not** appear in this data set. The latitudes, longitudes and distance values have been reduced in precision. No free-form text fields are included.

## Data Types

The 74 columns/attribute/features are described in [this google sheet](#). Here is a count of the number of attributes of each type:

boolean	datetime	duration	factor	quantity	string categories	string category	identifier	identifiers	string identifier
10	11	2	1	12	1	13	18	3	3

20 attributes are related to geographic locations. 11 attributes are datetimes. 4 attributes are multi-valued. Some calculated attributes are included such as durations.

## Possible Predictions

1. Will the trip be claimed by a driver?
2. How long will it take to claim the trip?
3. Will the trip be unclaimed after it is claimed?
4. What will driver's commute distance be?
5. Will the trip be canceled by the organizer?
6. Will the trip be bonused (driver incentive in order to get the trip claimed)?
7. Will be driver be late to the first pick-up?
8. How will the organizer rate the trip (unhappy, happy, super-happy)?
9. Will the organizer book another trip after this one?