

# **RDE - IWG dataset**

## **State of play and overview**

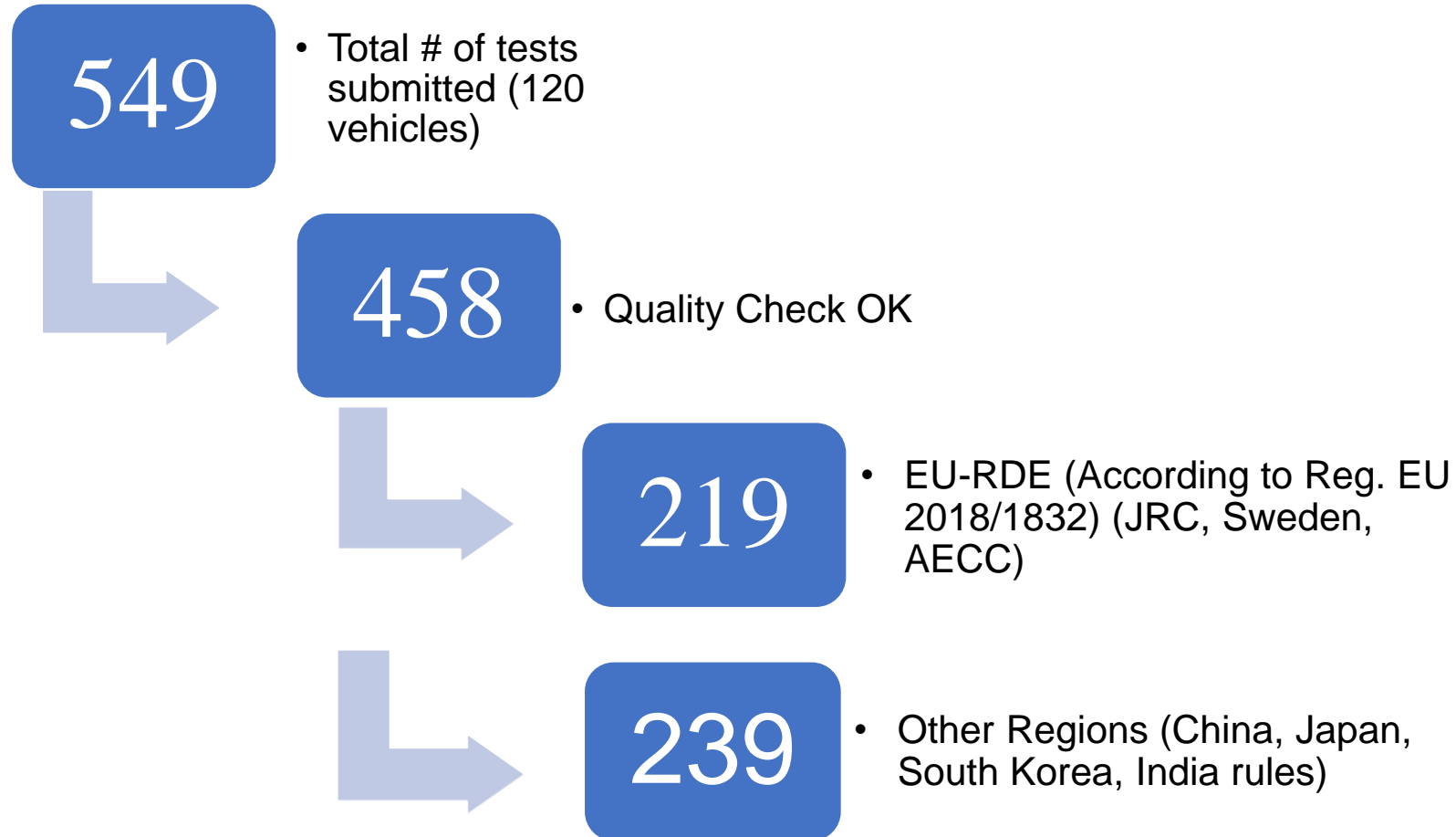
**Alessandro Zardini and Pierre Bonnel**

7<sup>th</sup> RDE-IWG Meeting, Seoul, October 30-31, 2019

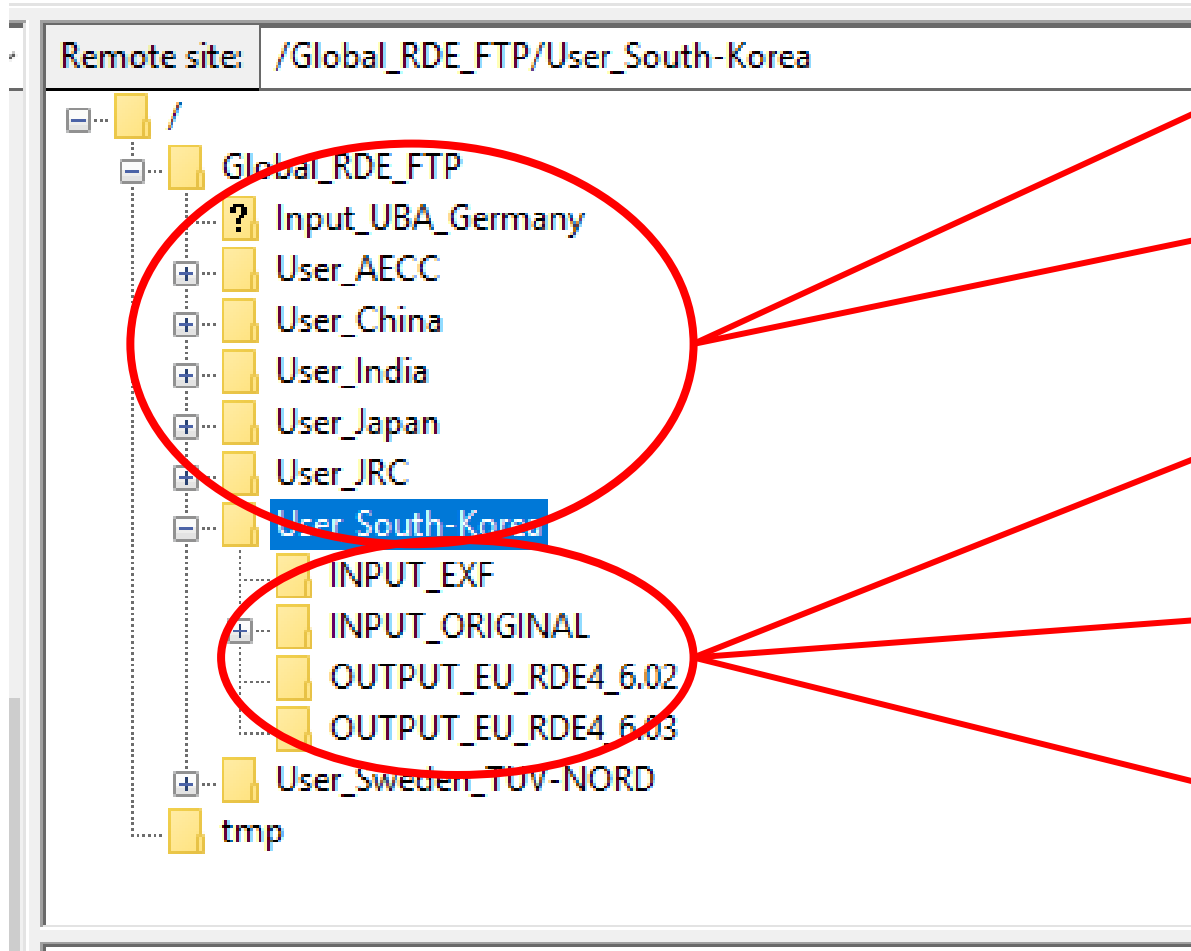
# Status of Data submitted to RDE-IWG

|                              | AECC    | China             | India     | Japan     | JRC    | South Korea       | Sweden  | UBA Germany |
|------------------------------|---------|-------------------|-----------|-----------|--------|-------------------|---------|-------------|
| <b># Tests original</b>      | 42      | 30                | 55        | 57        | 79     | 103               | 102     | 81          |
| <b>Vehicles</b>              | 6       | 10                | 23        | 6         | 11     | 13                | 51      | -           |
| <b>Quality check</b>         | 38/42   | 30/30             | 50/55     | 57/57     | 79/79  | 102/103           | 102/102 | Not OK      |
| <b>EMROAD EU v6.03</b>       | YES     | YES               | YES       | YES       | YES    | YES               | YES     |             |
| <b>Regional settings</b>     | YES EU  | Local To complete | YES Local | YES Local | YES EU | Local To complete | YES EU  | YES EU      |
| <b>EMROAD Regional V6.04</b> | ongoing |                   |           |           |        |                   |         |             |

# Summary of global RDE dataset



# FTP Snapshot



## INPUT\_XY

member waiting to upload

## User\_XY

member uploaded data

## INPUT\_ORIGINAL

original PEMS files by member

## INPUT\_EXF

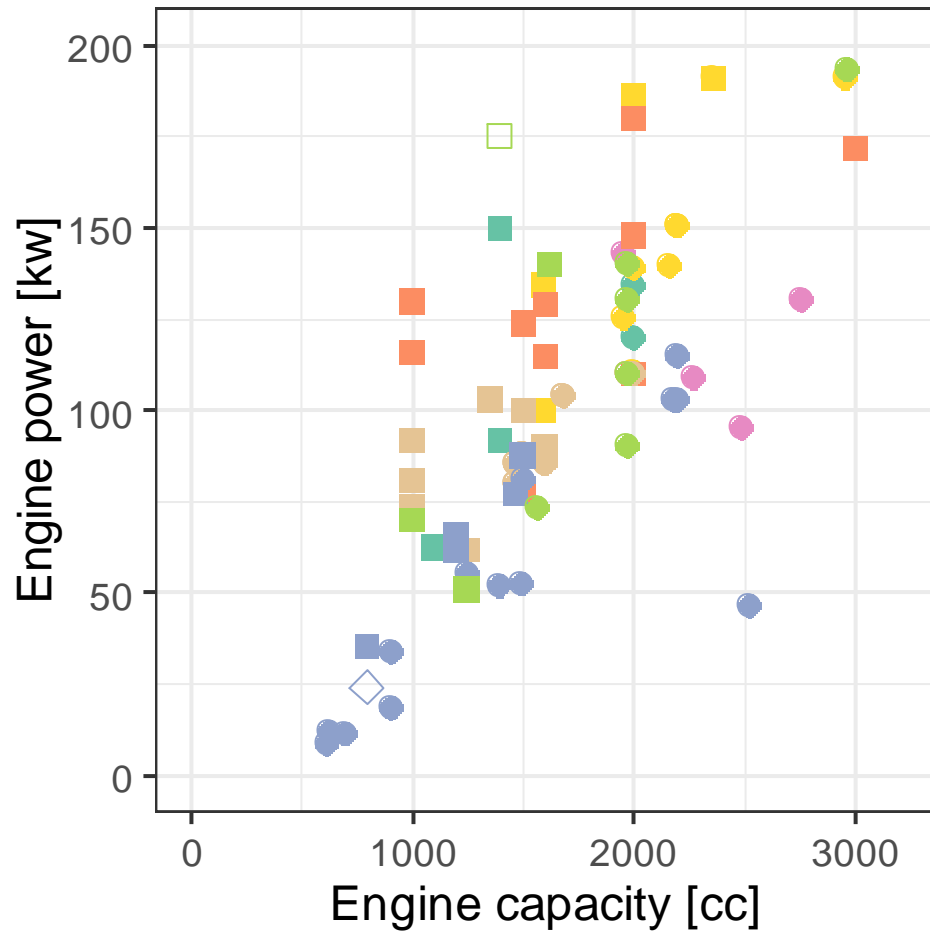
EMROAD input as exchange file format (1 Hz, common variables)

## OUTPUT\_EU\_RDE4\_6.03(\*)

EU-RDE results by EMROAD version 6.03

**Soon: RDE v6.04 with regional settings**

# Vehicles

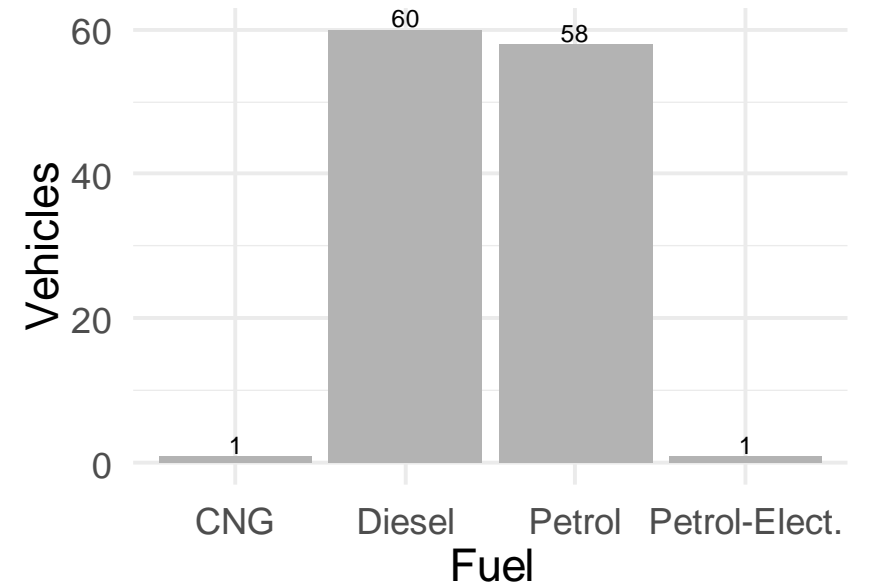


## Provider

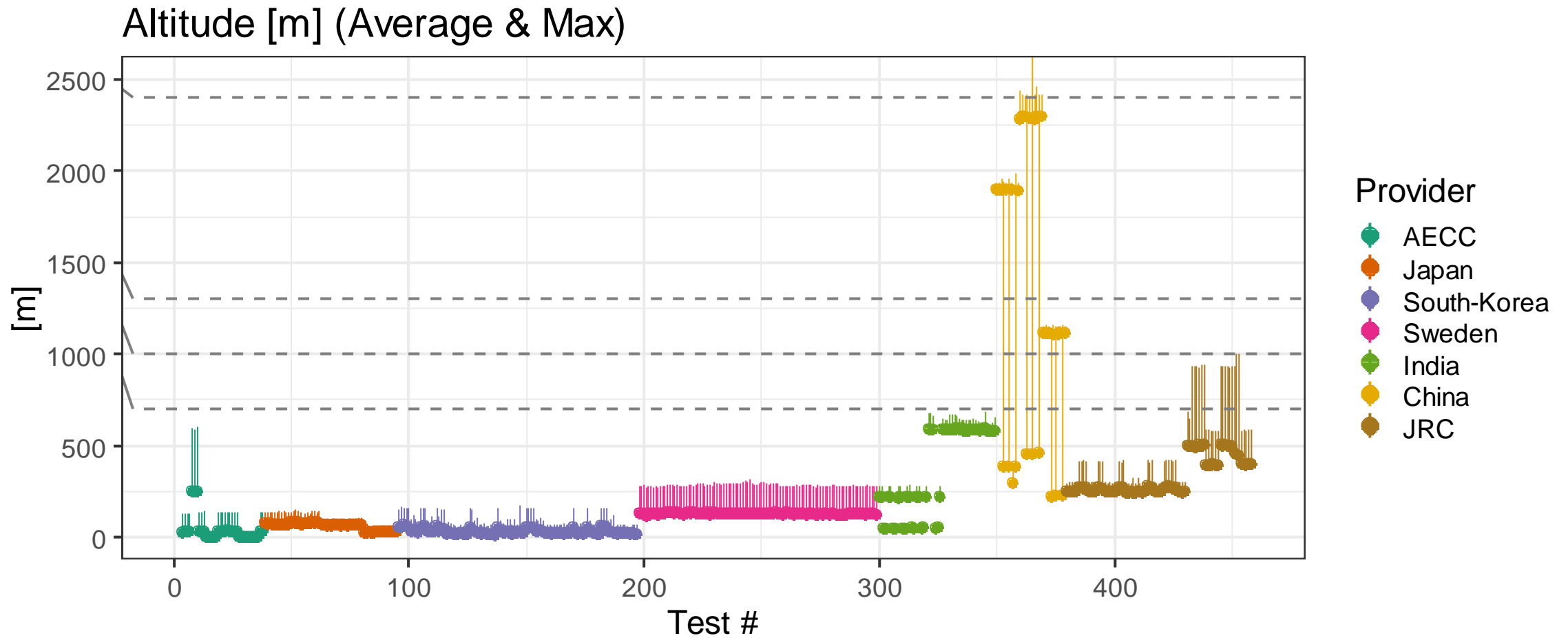
- AECC
- China
- India
- Japan
- JRC
- South-Korea
- Sweden

## Fuel

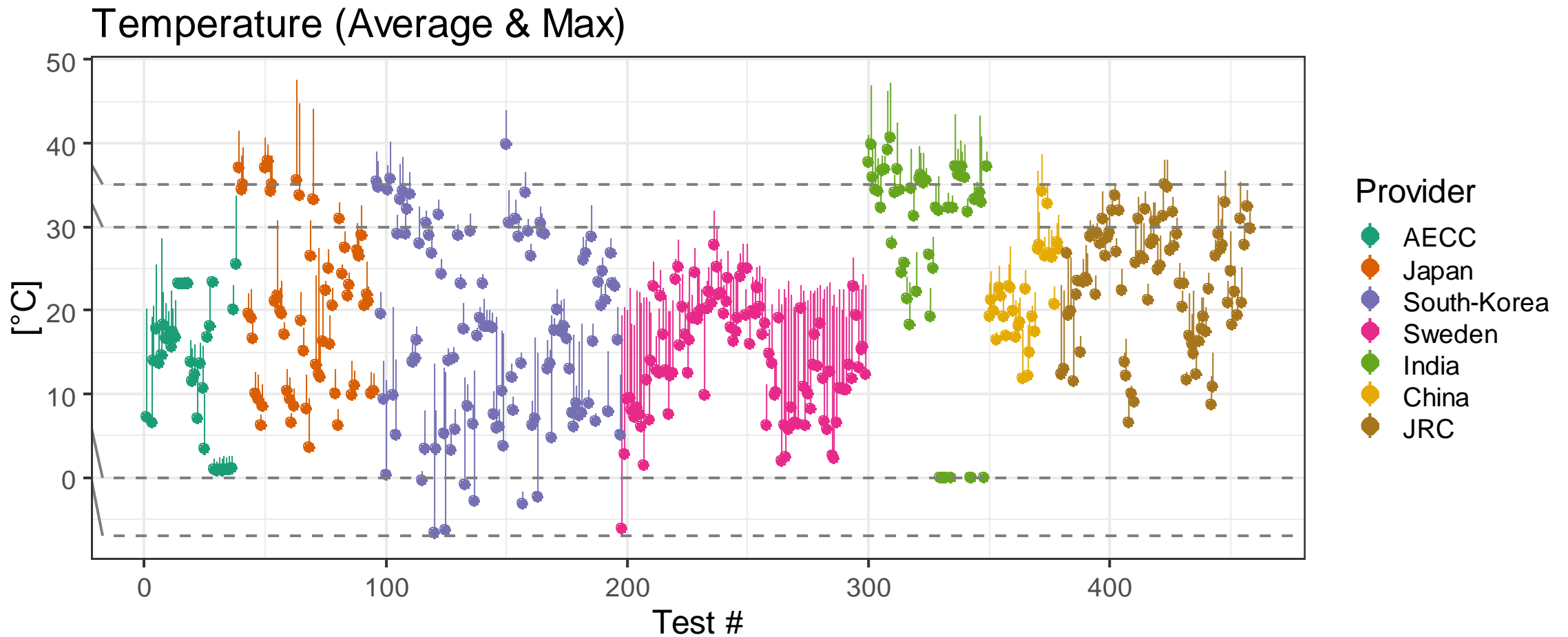
- ◇ CNG
- Diesel
- Petrol
- Petrol-Elect.



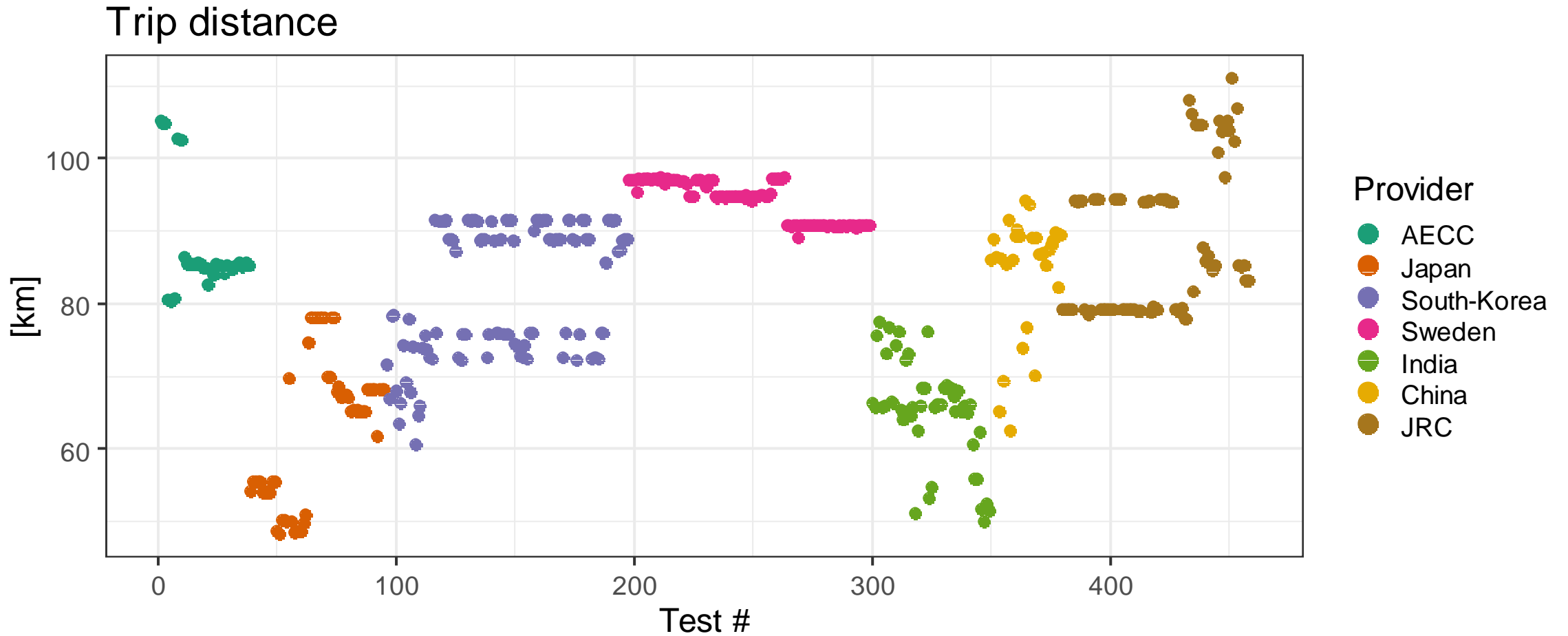
# Altitude



# Temperature

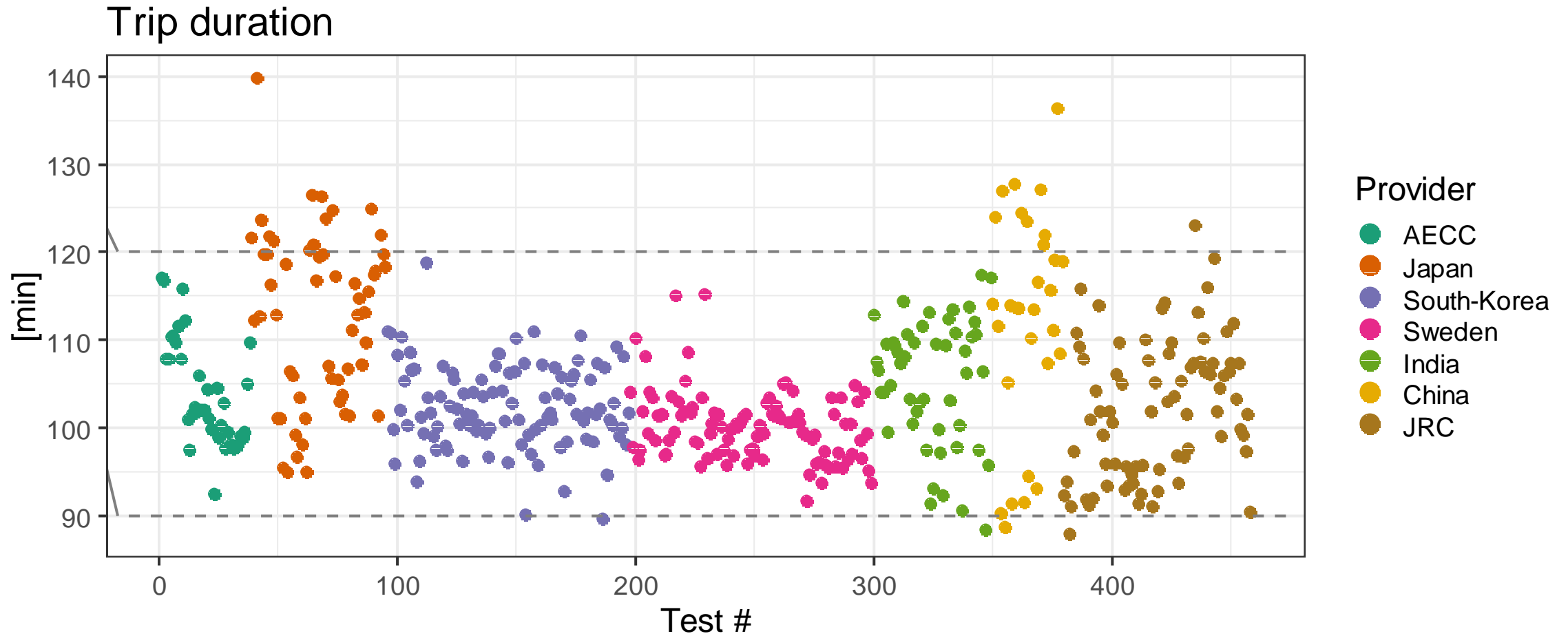


# Distance

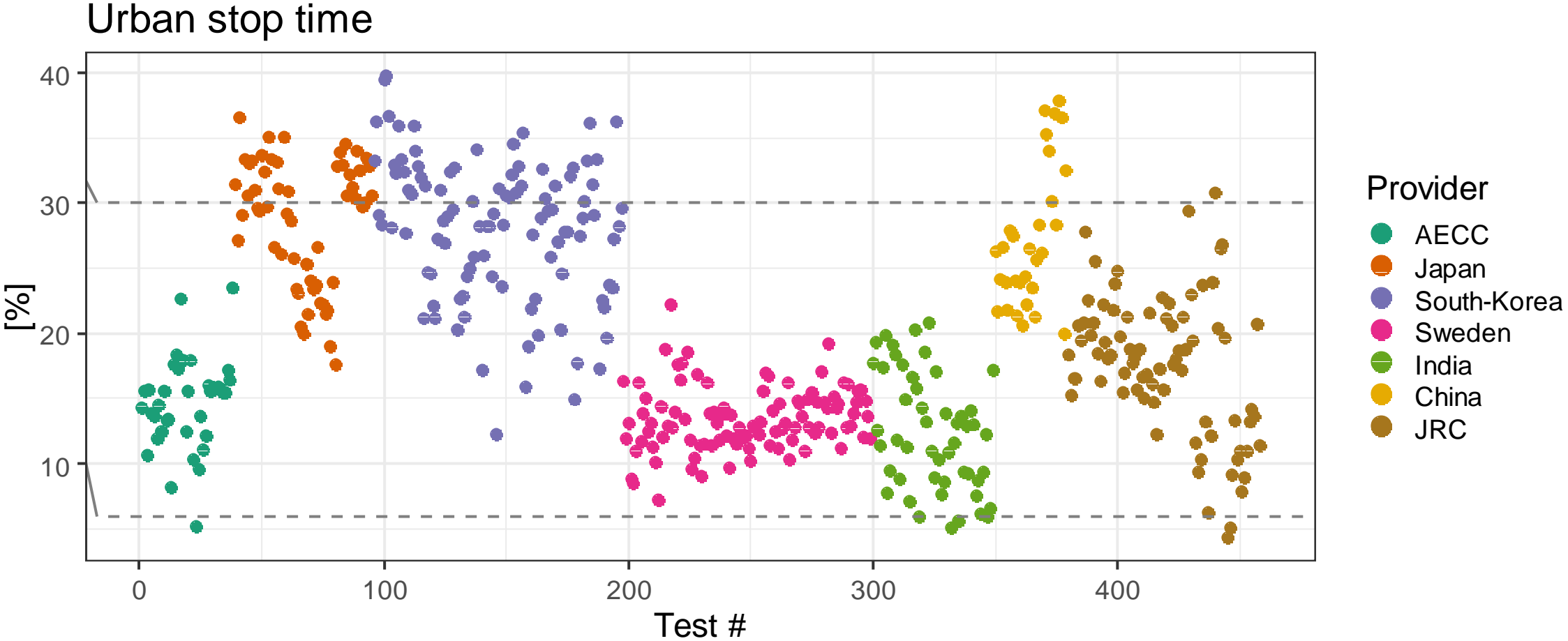




# Duration

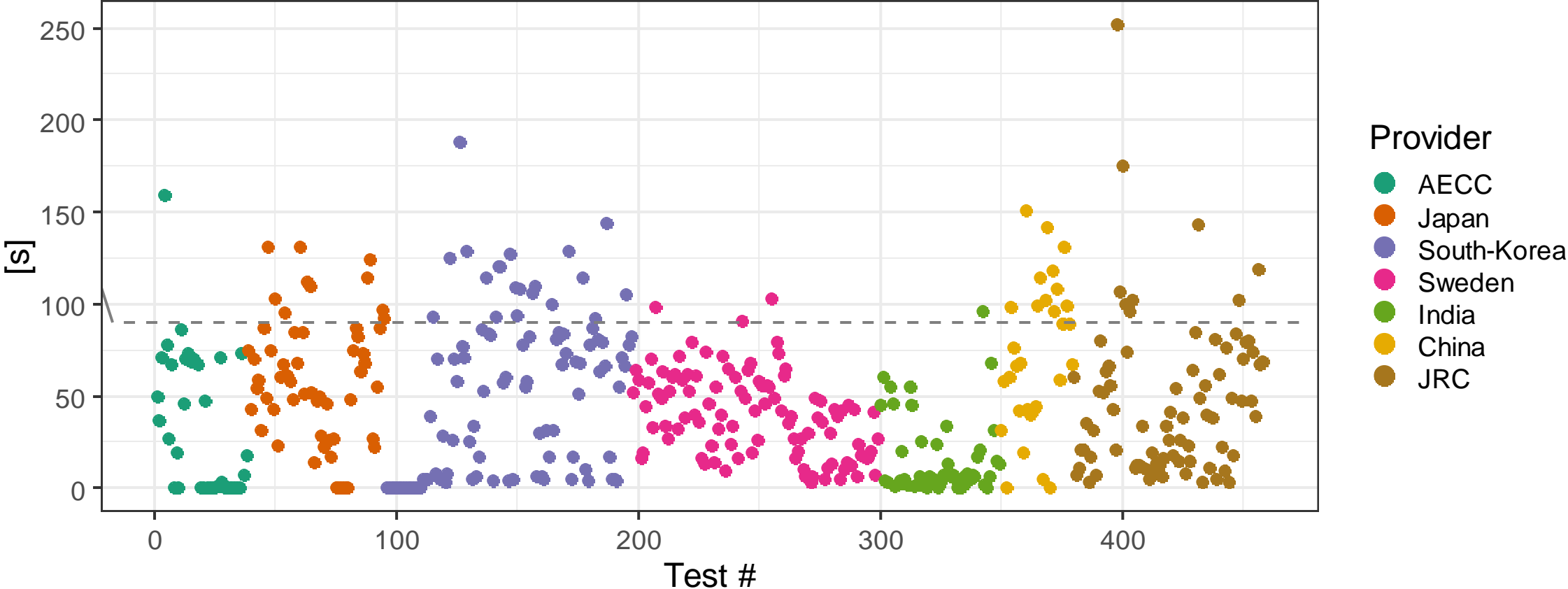


# Stop time

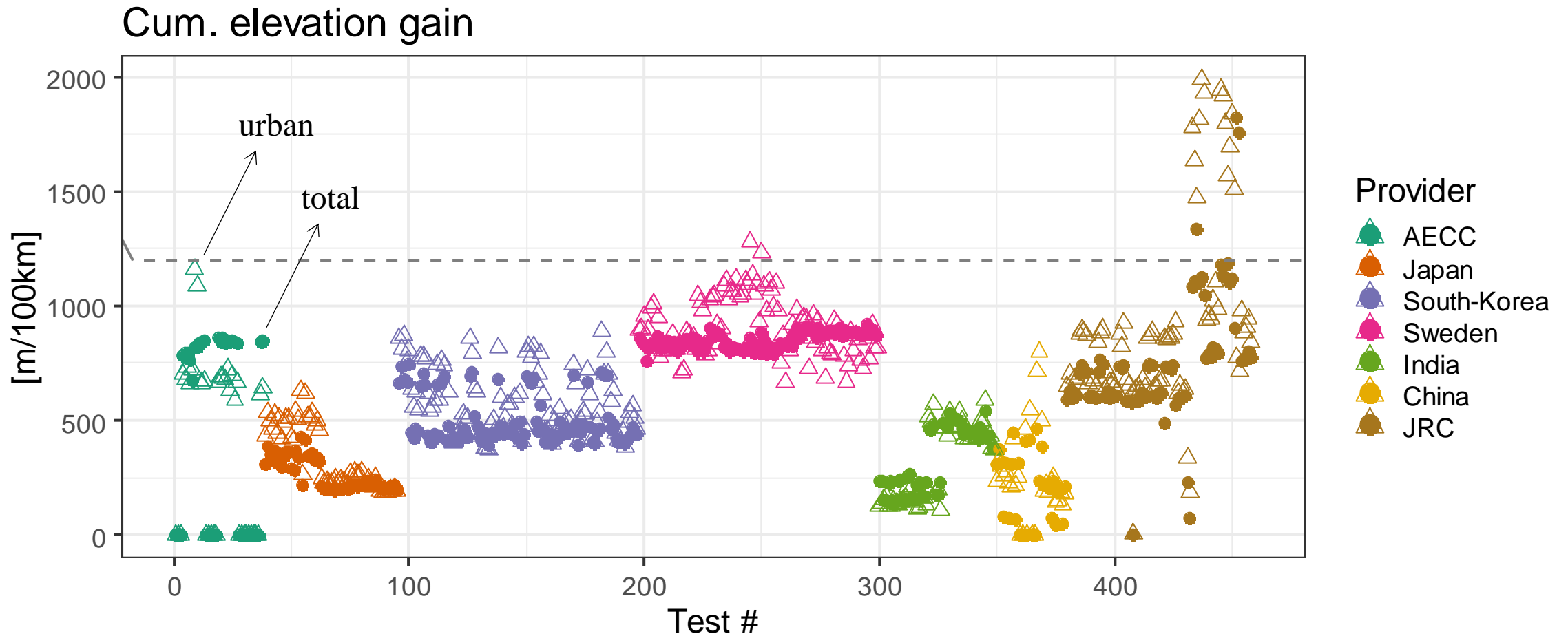


# Stop time

Cold start stop time



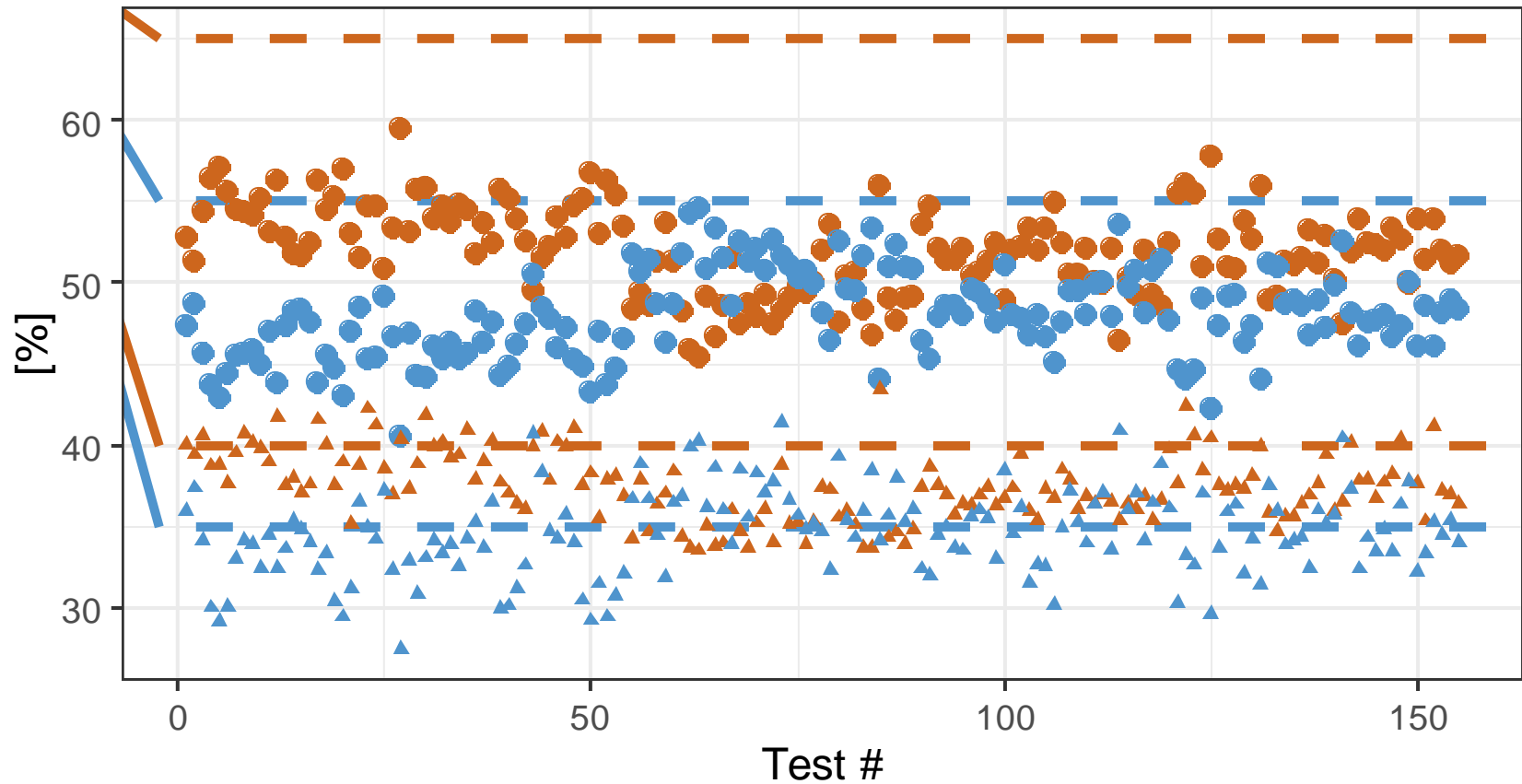
# Elevation gain



# Distance share (full vs partial t)

JRC+Sweden tests with Japan RDE settings

JRC & Sweden tests with Japan-RDE analysis



Distance share

- Low speed / partial test
- Medium speed / partial test
- ▲ Low speed / full test
- ▲ Medium speed / full test

Partial = only Low and Medium driving (High speed driving not included)

# MAW share (full vs partial test)

JRC+Sweden tests with Japan RDE settings

JRC & Sweden tests with Japan-RDE analysis

