Problem Set 2

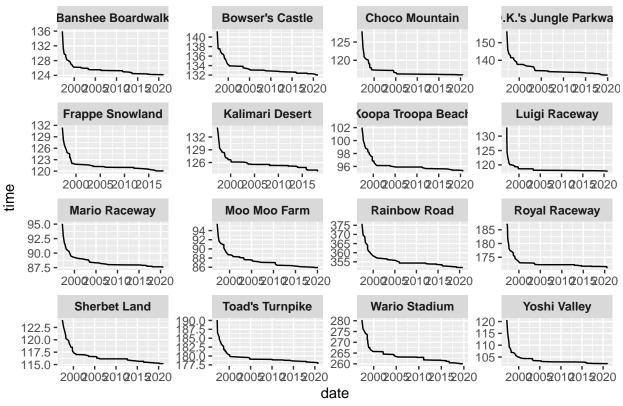
Nhat Minh Kieu

2023-10-06

Exercise 1

Plot 1

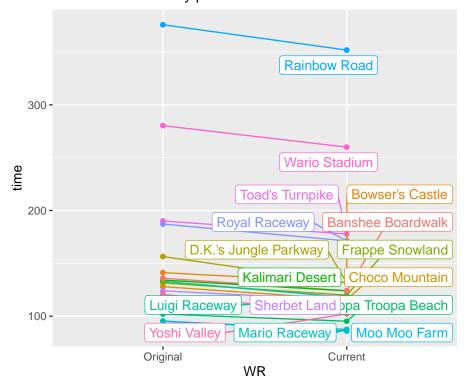




Plot 2

Comparing the Original and Current WR for three lap and no shortcut races

All lines are relatively parallel.

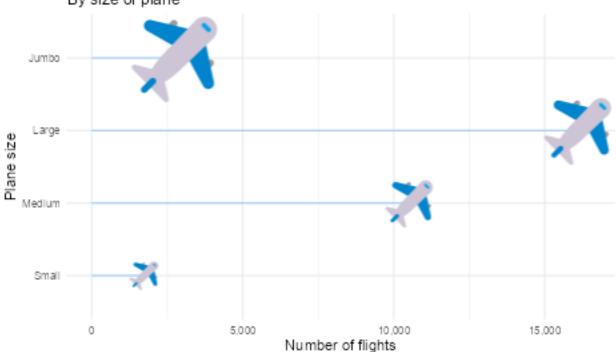


track

- a Banshee Boardwalk
- a Bowser's Castle
- a Choco Mountain
- a D.K.'s Jungle Parkway
- Frappe Snowland
- a Kalimari Desert
- a Koopa Troopa Beach
- a Luigi Raceway
- a Mario Raceway
- a Moo Moo Farm
- a Rainbow Road
- a Royal Raceway
- a Sherbet Landa Toad's Turnpike
- a Wario Stadium
- a Yoshi Valley

Exercise 2

Number of flights out of RDU in 2020 By size of plane



Source: FAA Aircraft Registry and Bureau of Transportation Statistics

Number of rows in rdu_flights_planes are: 32533 Number of columns in rdu_flights_planes are: 27

Exercise 4

I aim for High Distinction level in this exercise.

We have the data from the question as below:

$$D = \{4, 4, -3, 5, -1, 5, 6, 5, 6, 2\}$$