

WIREFRAME

BIKE-SHARE DEMAND PREDICTION

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1. Home Page

Bike Share Demand Prediction



Problem Statement:

Bike sharing systems are a new generation of traditional bike rentals where the whole process from membership, rental and return back has become automatic. Through these systems, users are able to easily rent a bike from a particular position and return back at another position. Currently, there are about over 500 bike-sharing programs around the world which is composed of over 500 thousand bicycles. Today, there exists great interest in these systems due to their important role in traffic, environmental and health issues. Apart from interesting real-world applications of bike sharing systems, the characteristics of data being generated by these systems make them attractive for the research.


Inputs:

- Weather:
- Season:
- Type of day: ☒ weekend/holiday, ☐ Working day
- Is the day is holiday: ☒ Yes, ☐ No
- Time of the day: (range 0 to 23)
- Month: (range 1 to 12)
- Humidity value: (range 0.00 to 1.00)
- Temperature value: (range 0.00 to 1.00)

2. Prediction

The user needs to enter all the required data

Bike Share Demand Prediction



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Select the weather

Clear

Select the season

Spring

Select the type of day

☒ weekend/holiday

☐ Working day

Is the day is holiday

☒ Yes

☐ No

Select the time of the day

0

8

23

Select the Month

1

3

12

Enter the humidity value

0.00

0.40

1.00

Enter the temperature value

0.00

0.30

1.00

Submit

Demand for the day: 77.4