Vande Bharat Express: A Study of 25 Active Trains in Indian Railways - July 2023



#ABOUT DATASET Dataset contains information about Train 18(Official known as Vande Bharat), its services, top speed, avg speed, Railway Zone etc. You will also find Duration, Date of Inauguration, Train Numbers and more to help with data. Note: - CSMT - Madgaon Vande Bharats are essentialy one train, with 2 different timing depending on the season i.e Monsoon or Non-Monsoon

Importing libraries

```
In [1]: import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
import plotly.graph_objs as go
```

importing dataset

```
In [2]: df = pd.read_csv('Vande Bharat.csv')
In [3]: df.head()
```

Out[3]:		Sr. No.	Train Name	Train Number	Originating City	Originating Station	Terminal City	Terminal Station	Operator	No. of Cars	Frequenc	
	0	1	New Delhi - Varanasi Vande Bharat Express	22435/22436	Delhi	New Delhi	Varanasi	Varanasi Junction	NR	16	Exce Thursda _!	
	1	2	New Delhi - Shri Mata Vaishno Devi Katra Vande	22439/22440	Delhi	New Delhi	Katra	Shri Mata Vaishno Devi Katra	NR	16	Exce Tuesda <u>'</u>	
	2	3	Mumbai Central - Gandhinagar Capital Vande Bha	20901/20902	Mumbai	Mumbai Central	Gandhinagar	Gandhinagar Capital	WR	16	Exce Wednesda _!	
	3	4	New Delhi - Amb Andaura Vande Bharat Express	22447/22448	Delhi	New Delhi	Andaura	Amb Andaura	NR	16	Exce Frida <u>r</u>	
	4	5	MGR Chennai Central - Mysuru Vande Bharat Express	20607/20608	Chennai	Chennai Central	Mysuru	Mysore Junction	SR	16	Exce Wednesda	
In [4]:	df.columns											
Out[4]:	<pre>Index(['Sr. No.', 'Train Name', 'Train Number', 'Originating City',</pre>											
In [5]:	df	df.shape										
Out[5]:	(2	6, 1	6)									

In [6]: df.info()

```
<class 'pandas.core.frame.DataFrame'>
         RangeIndex: 26 entries, 0 to 25
         Data columns (total 16 columns):
               Column
                                     Non-Null Count
                                                      Dtype
          0
               Sr. No.
                                     26 non-null
                                                      int64
          1
               Train Name
                                     26 non-null
                                                      object
          2
               Train Number
                                     26 non-null
                                                      object
          3
                                     26 non-null
               Originating City
                                                      object
               Originating Station 26 non-null
          4
                                                      object
          5
               Terminal City
                                     26 non-null
                                                      object
          6
               Terminal Station
                                     26 non-null
                                                      object
          7
               Operator
                                     26 non-null
                                                      object
          8
               No. of Cars
                                     26 non-null
                                                      int64
          9
               Frequency
                                     26 non-null
                                                      object
          10 Distance
                                     26 non-null
                                                      object
          11 Travel Time
                                     26 non-null
                                                      object
          12 Speed
                                     26 non-null
                                                      object
          13 Average Speed
                                     26 non-null
                                                      object
                                     26 non-null
          14 Inauguration
                                                      object
                                     26 non-null
          15 Average occupancy
                                                      object
          dtypes: int64(2), object(14)
         memory usage: 3.4+ KB
         Checking for duplicated values
 In [7]:
          df.duplicated().sum()
 Out[7]:
         Checking for missing values
 In [8]:
          df.isna().sum()
                                  0
         Sr. No.
 Out[8]:
         Train Name
                                  0
         Train Number
                                  0
         Originating City
                                  0
         Originating Station
                                  0
         Terminal City
                                  0
         Terminal Station
                                  0
         Operator
                                  0
         No. of Cars
                                  0
         Frequency
                                  0
         Distance
                                  0
         Travel Time
                                  0
                                  0
         Speed
         Average Speed
                                  0
         Inauguration
                                  0
         Average occupancy
                                  0
         dtype: int64
         No missing values
 In [9]:
          df.drop('Sr. No.',axis=1,inplace=True)
          df.nunique()
In [10]:
```

```
Train Name
                                25
Out[10]:
                                25
         Train Number
         Originating City
                                15
         Originating Station
                                18
         Terminal City
                                25
         Terminal Station
                                25
         Operator
                                15
         No. of Cars
                                 2
                                 9
         Frequency
         Distance
                                24
         Travel Time
                                20
         Speed
                                 5
         Average Speed
                                17
         Inauguration
                                18
         Average occupancy
                                22
         dtype: int64
In [11]: for i in df:
           print(i)
           print('\n')
           print(df[i].value_counts())
           print('-'*100)
```

```
2
Mumbai CSMT - Madgaon Vande Bharat Express
New Delhi - Varanasi Vande Bharat Express
                                                                      1
Delhi Cantonment - Ajmer Vande Bharat Express
                                                                      1
Jodhpur - Sabarmati (Ahmedabad) Vande Bharat Express
                                                                      1
Indore - Bhopal Vande Bharat Express
                                                                      1
Rani Kamalapati (Habibganj) - Jabalpur Vande Bharat Express
KSR Bengaluru - Dharwad Vande Bharat Express
                                                                      1
Patna - Ranchi Vande Bharat Express
                                                                      1
New Jalpaiguri - Guwahati Vande Bharat Express
                                                                      1
Anand Vihar Terminal - Dehradun Vande Bharat Express
                                                                      1
Howrah - Puri Vande Bharat Express
                                                                      1
Kasaragod - Thiruvananthapuram Vande Bharat Express
                                                                      1
MGR Chennai Central - Coimbatore Vande Bharat Express
                                                                      1
New Delhi - Shri Mata Vaishno Devi Katra Vande Bharat Express
                                                                      1
Secunderabad - Tirupati Vande Bharat Express
                                                                      1
Rani Kamalapati (Habibganj) - Hazrat Nizamuddin Vande Bharat Express
Mumbai CSMT - Sainagar Shirdi Vande Bharat Express
                                                                      1
Mumbai CSMT - Solapur Vande Bharat Express
                                                                      1
Visakhapatnam - Secunderabad Vande Bharat Express
                                                                      1
Howrah - New Jalpaiguri Vande Bharat Express
                                                                      1
Bilaspur - Nagpur Vande Bharat Express
                                                                      1
MGR Chennai Central - Mysuru Vande Bharat Express
                                                                      1
New Delhi - Amb Andaura Vande Bharat Express
                                                                     1
Mumbai Central - Gandhinagar Capital Vande Bharat Express
Gorakhpur - Lucknow Charbagh Vande Bharat Express
Name: Train Name, dtype: int64
Train Number
22229/22230
22435/22436
20977/20978
12461/12462 1
20911/20912
              1
20173/20174
              1
20661/20662
22349/22350
22227/22228
22457/22458 1
22895/22896 1
20633/20634
              1
20643/20644
              1
22439/22440
20701/20702
20171/20172
22223/22224 1
22225/22226
              1
20833/20834
22301/22302 1
20825/20826
              1
20607/20608
22447/22448
              1
20901/20902
22549/22550
            1
Name: Train Number, dtype: int64
```

Originating City

```
Delhi
                           5
Mumbai
                           5
                           2
Chennai
Kolkata
                          2
                          2
Bhopal
Bilaspur, Chhattisgarh
                          1
Visakhapatnam
                          1
Hyderabad
                          1
Kasaragod
                          1
Siliguri
                          1
Patna
                          1
Bangalore
                          1
Indore
                          1
Jodhpur
Gorakhpur
                          1
Name: Originating City, dtype: int64
Originating Station
Chhatrapati Shivaji Terminus
New Delhi
                                 2
Chennai Central
Howrah Junction
                                 2
Habibganj (Rani Kamalapati)
Anand Vihar Terminal
                                1
Jodhpur Junction
Indore Junction
                                1
Bangalore City
                                1
Patna Junction
                                1
New Jalpaiguri Junction
                                1
Delhi Cantonment
                                1
Kasaragod
                                1
Mumbai Central
                                1
Secunderabad Junction
Visakhapatnam Junction
                               1
Bilaspur Junction
Gorakhpur Junction
Name: Originating Station, dtype: int64
Terminal City
Madgaon
                      2
                      1
Varanasi
Ajmer
                      1
Ahmedabad
                      1
Bhopal
                      1
Jabalpur
                      1
Hubbali - Dharwad
                      1
Ranchi
                      1
Guwahati
                      1
                      1
Dehradun
Puri
                      1
Thiruvananthapuram
                      1
Coimbatore
                      1
                      1
Katra
                      1
Tirupati
Delhi
                      1
Shirdi
                      1
Solanur
                      1
```

```
Hyderabad
                  1
Siliguri
                  1
Nagpur
                  1
Mysuru
                  1
Andaura
                  1
                1
Gandhinagar
Charbagh
                 1
Name: Terminal City, dtype: int64
______
Terminal Station
Madgaon Junction
Varanasi Junction
                          1
Ajmer Junction
                          1
Sabarmati Junction
                          1
Bhopal Junction
                          1
Jabalpur Junction
                          1
Dharwad
                          1
Ranchi Junction
                          1
Guwahati
                          1
Dehradun Terminal
                          1
Puri
                          1
Thiruvananthapuram Central
                          1
Coimbatore Junction
Shri Mata Vaishno Devi Katra
Tirupati
                          1
Hazrat Nizamuddin
                          1
Sainagar Shirdi
                          1
Solapur
                          1
Secunderabad Junction
                          1
New Jalpaiguri Junction
                          1
Nagpur Junction
                          1
Mysore Junction
                         1
Amb Andaura
                         1
Gandhinagar Capital
Lucknow Charbagh
Name: Terminal Station, dtype: int64
______
Operator 0
NR
CR
      4
SR
      3
      2
WR
WCR
      2
      2
NWR
SECR
      1
ER
      1
      1
ECoR
SCR
      1
SER
      1
      1
NFR
ECR
      1
SWR
      1
      1
Name: Operator, dtype: int64
No. of Cars
```

```
16
     16
     10
Name: No. of Cars, dtype: int64
______
Frequency
Except Tuesdays
                                                                           8
Except Wednesdays
                                                                           6
                                                                           3
Except Thursdays
Except Saturdays
                                                                           3
                                                                           2
Except Sundays
Except Fridays
                                                                           1
Except Wednesdays (22225) , Except Thursdays (22226)
                                                                           1
Except Fridays\n(Non-Monsoon)
Monday, Wednesday, Friday (22229)\nTuesday, Thursday, Saturday (22230)\n(Monsoon)
Name: Frequency, dtype: int64
______
Distance
412 km (256 mi)
586 km (364 mi)
759 km (472 mi)
                1
587 km (365 mi)
                1
449 km (279 mi)
                1
250 km (160 mi)
                1
337 km (209 mi)
                1
490 km (300 mi)
                1
379 km (235 mi)
                1
407 km (253 mi)
                1
304 km (189 mi)
                1
500 km (310 mi)
                1
428 km (266 mi)
                1
655 km (407 mi)
                1
495 km (308 mi)
                1
661 km (411 mi)
                1
702 km (436 mi)
                1
339 km (211 mi)
                1
452 km (281 mi)
                1
698 km (434 mi)
                1
565 km (351 mi)
                1
496 km (308 mi)
                1
522 km (324 mi)
                1
296 km (184 mi)
Name: Distance, dtype: int64
_____
Travel Time
06h 25m
                       3
08h 00m
                       2
                       2
06h 30m
05h 30m
                       2
07h 30m
                       2
04h 45m
                      1
06h 10m
                      1
03h 05m
                       1
04h 40m
                      1
<u>06h 00m</u>
                       1
```

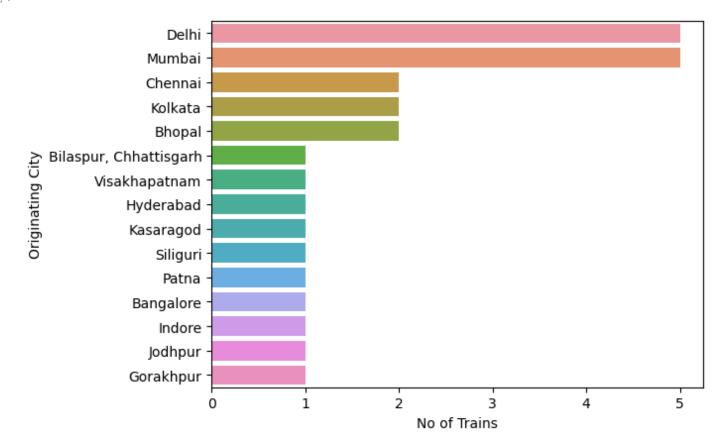
```
10h 05m\n(Monsoon)
07h 45m\n(Non-Monsoon)
05h 15m
08h 05m
05h 50m
                        1
08h 15m
                        1
05h 20m
                        1
08h 30m
                        1
05h 10m
04h 15m
Name: Travel Time, dtype: int64
Speed
130 km/h (81 mph)
110 km/h (68 mph)
                  8
120 km/h (75 mph)
                    2
130 km/h (81 mph)
                    1
                 1
160 km/h (99 mph)
Name: Speed, dtype: int64
Average Speed
82 km/h (51 mph)
                                5
73 km/h (45 mph)
                                3
79 km/h (49 mph)
                                2
75 km/h (47 mph)
                                2
64 km/h (40 mph)
                                2
95 km/h (59 mph)
                                1
                                1
74 km/h (46 mph)
76 km/h (47 mph)
63 km/h (39 mph)
                                1
57 km/h (35 mph)\n(Monsoon)
                                1
75 km/h (47 mph)\n(Non-Monsoon)
                                1
85 km/h (53 mph)
                                1
78 km/h (48 mph)
                                1
                                1
80 km/h (50 mph)
94 km/h (58 mph)
                                1
70 km/h (43 mph)
                                1
71 km/h (44 mph)
Name: Average Speed, dtype: int64
______
Inauguration
6/27/2023
7/7/2023
             2
4/8/2023
             2
2/10/2023
           2
5/29/2023
             1
5/25/2023
             1
5/18/2023
             1
4/25/2023
4/12/2023
2/15/2019
             1
10/3/2019
1/15/2023
             1
12/30/2022
             1
12/11/2022
```

```
11/11/2022
                     1
        10/13/2022
                     1
        9/30/2022
                     1
        4/1/2023
                     1
        Name: Inauguration, dtype: int64
        Average occupancy
        100%
               3
        70%
               2
        94%
               2
        126%
               1
        177%
               1
        53%
               1
        37%
               1
        44%
               1
        72%
               1
        118%
               1
        91%
               1
        99%
               1
        150%
               1
        114%
               1
        110%
               1
        90%
               1
        93%
               1
        120%
               1
        96%
               1
        75%
               1
        132%
               1
        77%
               1
        Name: Average occupancy, dtype: int64
In [12]:
        df.columns
        Out[12]:
               'Inauguration', 'Average occupancy'],
             dtype='object')
        sns.barplot(y=df['Train Name'].value_counts().keys(),x=df['Train Name'].value_counts(),d
In [13]:
        plt.title("", fontsize=20, fontweight="bold")
        plt.ylabel('Train Name')
        plt.xlabel('No of Trains')
        Text(0.5, 0, 'No of Trains')
Out[13]:
```

```
Mumbai CSMT - Madgaon Vande Bharat Express
                                               New Delhi - Varanasi Vande Bharat Express
                                       Delhi Cantonment - Ajmer Vande Bharat Express
                           Jodhpur - Sabarmati (Ahmedabad) Vande Bharat Express
                    Indore - Bhopal Vande Bharat Express
Rani Kamalapati (Habibganj) - Jabalpur Vande Bharat Express
KSR Bengaluru - Dharwad Vande Bharat Express
                                                        Patna - Ranchi Vande Bharat Express
                            New Jalpaiguri - Guwahati Vande Bharat Express
Anand Vihar Terminal - Dehradun Vande Bharat Express
Howrah - Puri Vande Bharat Express
Train Name
                            Kasaragod - Thiruvananthapuram Vande Bharat Express
                          MGR Chennai Central - Coimbatore Vande Bharat Express
                 New Delhi - Shri Mata Vaishno Devi Katra Vande Bharat Express
                                          Secunderabad - Tirupati Vande Bharat Express
    Rani Kamalapati (Habibgani) - Hazrat Nizamuddin Vande Bharat Express
Mumbai CSMT - Sainagar Shirdi Vande Bharat Express
                                          Mumbai CSMT - Solapur Vande Bharat Express
                              Visakhapatnam - Secunderabad Vande Bharat Express
Howrah - New Jalpaiguri Vande Bharat Express
Bilaspur - Nagpur Vande Bharat Express
MGR Chennai Central - Mysuru Vande Bharat Express
                    New Delhi - Amb Andaura Vande Bharat Express
Mumbai Central - Gandhinagar Capital Vande Bharat Express
Gorakhpur - Lucknow Charbagh Vande Bharat Express
                                                                                                                         0.25
                                                                                                                                     0.50
                                                                                                                                                 0.75
                                                                                                                                                              1.00
                                                                                                                                                                          1.25
                                                                                                                                                                                       1.50
                                                                                                                                                                                                   1.75
                                                                                                                                                                                                               2.00
                                                                                                                                                           No of Trains
```

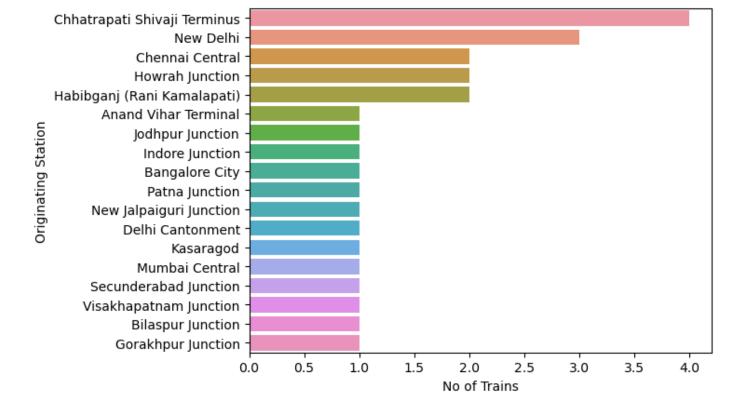
```
In [14]: sns.barplot(y=df['Originating City'].value_counts().keys(),x=df['Originating City'].valu
plt.ylabel('Originating City')
plt.xlabel('No of Trains')
```

Out[14]: Text(0.5, 0, 'No of Trains')



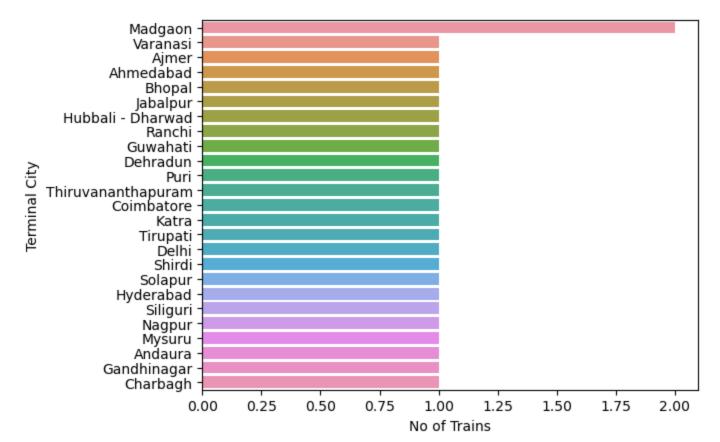
```
In [15]: sns.barplot(y=df['Originating Station'].value_counts().keys(),x=df['Originating Station'
    plt.ylabel('Originating Station')
    plt.xlabel('No of Trains')
```

Out[15]: Text(0.5, 0, 'No of Trains')



```
In [16]: sns.barplot(y=df['Terminal City'].value_counts().keys(),x=df['Terminal City'].value_coun
    plt.ylabel('Terminal City')
    plt.xlabel('No of Trains')
```

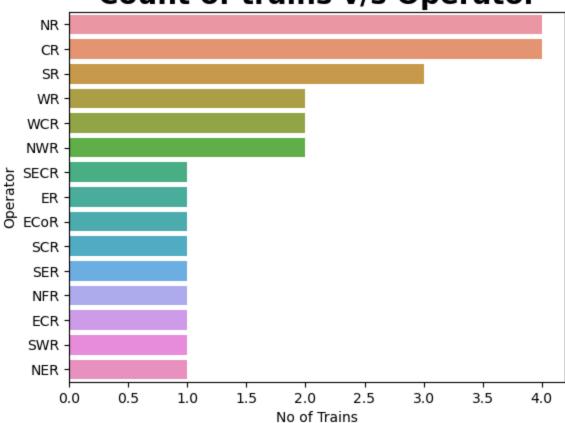
Out[16]: Text(0.5, 0, 'No of Trains')

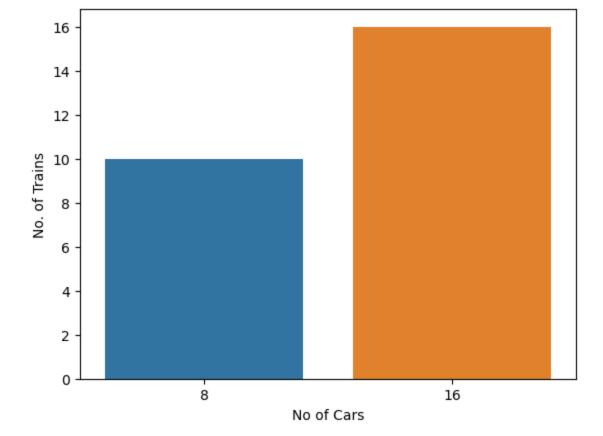


```
In [17]: sns.barplot(y=df['Operator'].value_counts().keys(),x=df['Operator'].value_counts(),data=
    plt.title("Count of trains v/s Operator",fontsize=20,fontweight="bold")
    plt.ylabel('Operator')
    plt.xlabel('No of Trains')
```

Out[17]: Text(0.5, 0, 'No of Trains')

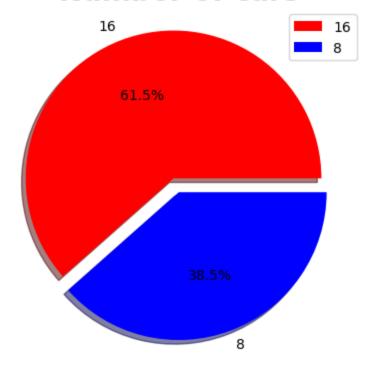
Count of trains v/s Operator





Out[20]: <matplotlib.legend.Legend at 0x1abe8a55750>

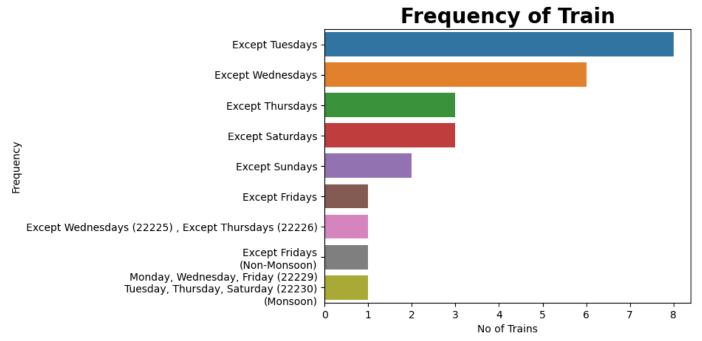
Number of cars



```
In [21]: sns.barplot(y=df['Frequency'].value_counts().keys(),x=df['Frequency'].value_counts(),dat
plt.title("Frequency of Train",fontsize=20,fontweight="bold")
```

```
plt.ylabel('Frequency')
plt.xlabel('No of Trains')
```

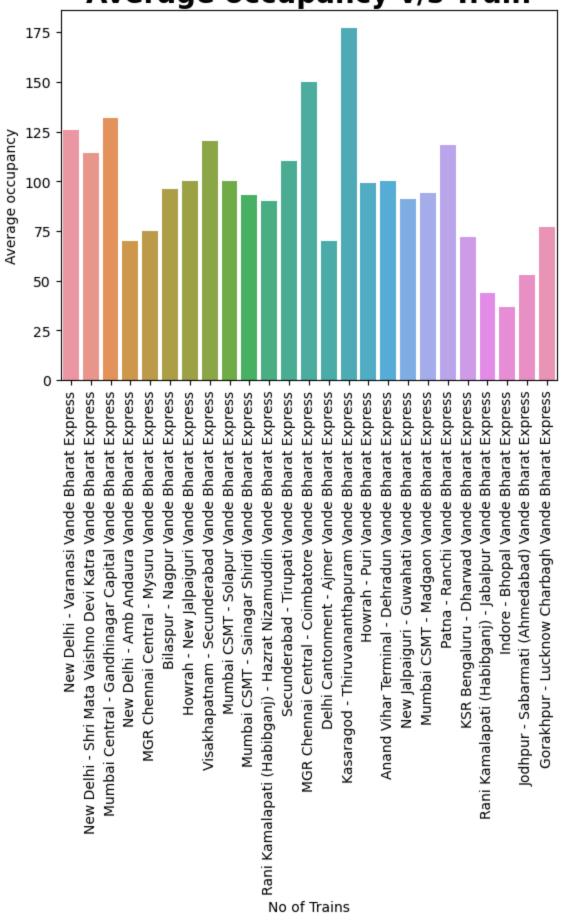
Out[21]: Text(0.5, 0, 'No of Trains')



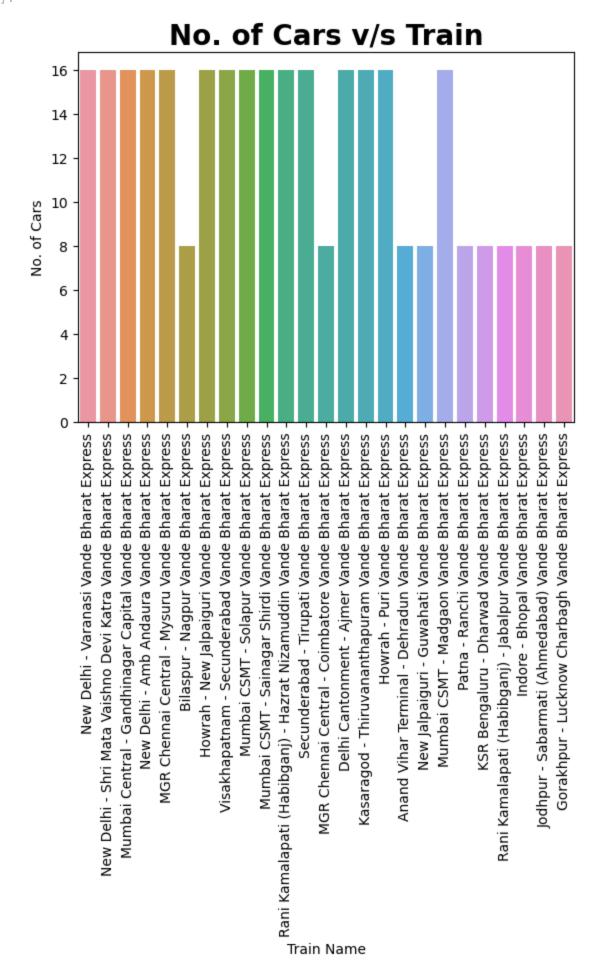
```
In [22]: df['Average occupancy'] = df['Average occupancy'].str.rstrip('%').astype(float)

In [23]: sns.barplot(y='Average occupancy', x='Train Name', data=df)
    plt.title("Average occupancy v/s Train", fontsize=20, fontweight="bold")
    plt.xticks(rotation='vertical')
    plt.ylabel('Average occupancy')
    plt.xlabel('No of Trains')
Out[23]: Text(0.5, 0, 'No of Trains')
```

Average occupancy v/s Train

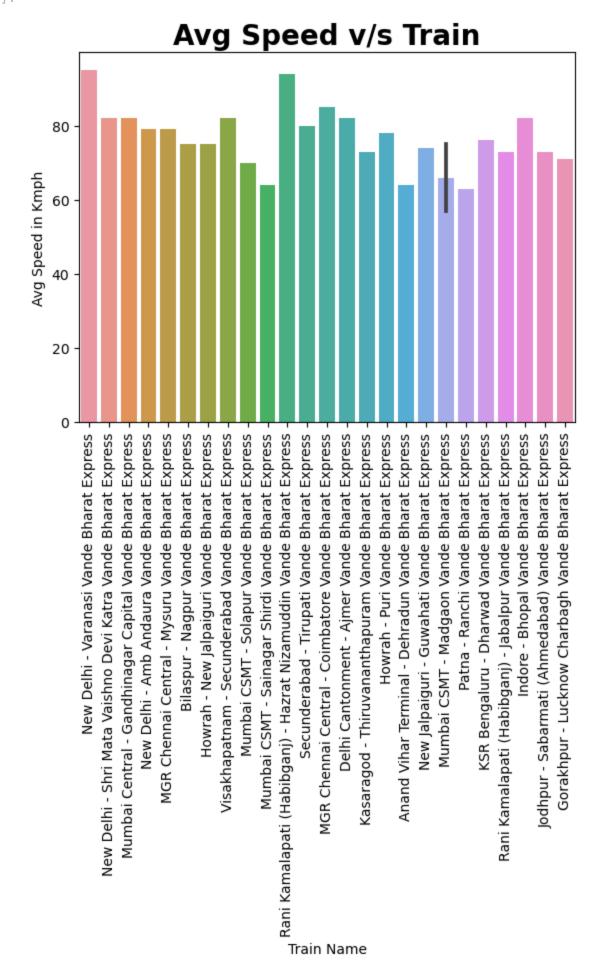


In [24]: sns.barplot(y='No. of Cars', x='Train Name', data=df)
 plt.title("No. of Cars v/s Train", fontsize=20, fontweight="bold")
 plt.xticks(rotation='vertical')
 plt.ylabel('No. of Cars')
Loading [MathJax]/extensions/Safe.js rain Name')



```
elif 'mph' in speed:
                   mph_value = float(speed.split()[0])
                   return mph_value * 1.60934
               else:
                   return None
             df['Speed'] = df['Speed'].apply(speed_to_kmph)
             df['Average Speed'] = df['Average Speed'].apply(speed_to_kmph)
  In [26]:
             df['Inauguration'] = pd.to_datetime(df['Inauguration'])
  In [27]:
             df.info()
             <class 'pandas.core.frame.DataFrame'>
             RangeIndex: 26 entries, 0 to 25
             Data columns (total 15 columns):
                   Column
                                          Non-Null Count
                                                           Dtype
                   -----
             - - -
                                          -----
                                                            ----
              0
                  Train Name
                                          26 non-null
                                                           object
              1
                  Train Number
                                          26 non-null
                                                           object
              2
                  Originating City
                                          26 non-null
                                                           object
              3
                  Originating Station 26 non-null
                                                            object
              4
                                          26 non-null
                  Terminal City
                                                           object
              5
                  Terminal Station
                                          26 non-null
                                                           object
              6
                  Operator
                                          26 non-null
                                                           object
              7
                                          26 non-null
                  No. of Cars
                                                           int64
              8
                  Frequency
                                          26 non-null
                                                           object
              9
                  Distance
                                          26 non-null
                                                            object
              10 Travel Time
                                          26 non-null
                                                           object
                                          26 non-null
                                                           float64
              11
                  Speed
              12 Average Speed
                                          26 non-null
                                                           float64
              13
                  Inauguration
                                          26 non-null
                                                           datetime64[ns]
                  Average occupancy
                                          26 non-null
                                                           float64
             dtypes: datetime64[ns](1), float64(3), int64(1), object(10)
             memory usage: 3.2+ KB
  In [28]:
             df.head(3)
  Out[28]:
                                                                                              No.
                                       Originating
                                                 Originating
                                                                Terminal
                                 Train
                                                                           Terminal
                                                                                    Operator
                Train Name
                                                                                               of
                                                                                                   Frequency D
                               Number
                                             City
                                                     Station
                                                                   City
                                                                            Station
                                                                                             Cars
                 New Delhi -
                   Varanasi
                                                                            Varanasi
                                                                                                       Except
             0
                     Vande
                           22435/22436
                                            Delhi
                                                   New Delhi
                                                                Varanasi
                                                                                        NR
                                                                                               16
                                                                            Junction
                                                                                                    Thursdays
                     Bharat
                   Express
                 New Delhi -
                  Shri Mata
                                                                           Shri Mata
                                                                                                       Except
             1
                   Vaishno
                           22439/22440
                                            Delhi
                                                   New Delhi
                                                                  Katra
                                                                            Vaishno
                                                                                        NR
                                                                                               16
                                                                                                     Tuesdays
                                                                          Devi Katra
                  Devi Katra
                   Vande...
                   Mumbai
                   Central -
                                                     Mumbai
                                                                        Gandhinagar
                                                                                                       Except
             2 Gandhinagar 20901/20902
                                          Mumbai
                                                             Gandhinagar
                                                                                        WR
                                                                                                  Wednesdays
                                                     Central
                                                                             Capital
                    Capital
                Vande Bha...
  In [29]:
             sns.barplot(x='Train Name', y='Average Speed', data=df)
             plt.title("Avg Speed v/s Train", fontsize=20, fontweight="bold")
             plt.xticks(rotation='vertical')
             plt.ylabel('Avg Speed in Kmph')
             plt.xlabel('Train Name')
Loading [MathJax]/extensions/Safe.js
```

return float(speed.split()[0])



In [30]: $df['Distance'] = df['Distance'].str.extract(r'(\d+)').astype(float)$

```
In [31]: sns.barplot(x='Train Name', y='Distance', data=df)
  plt.title("Distance v/s Train", fontsize=20, fontweight="bold")
  plt.xticks(rotation='vertical')
  plt.ylabel('Distance')
  plt.xlabel('Train Name')
Out[31]: Text(0.5, 0, 'Train Name')
```

Distance v/s Train 700 600 500 Distance 400 300 200 100 New Delhi - Varanasi Vande Bharat Express New Delhi - Shri Mata Vaishno Devi Katra Vande Bharat Express Mumbai Central - Gandhinagar Capital Vande Bharat Express New Delhi - Amb Andaura Vande Bharat Express MGR Chennai Central - Mysuru Vande Bharat Express Bilaspur - Nagpur Vande Bharat Express Howrah - New Jalpaiguri Vande Bharat Express Visakhapatnam - Secunderabad Vande Bharat Express Mumbai CSMT - Solapur Vande Bharat Express Mumbai CSMT - Sainagar Shirdi Vande Bharat Express Rani Kamalapati (Habibganj) - Hazrat Nizamuddin Vande Bharat Express Secunderabad - Tirupati Vande Bharat Express MGR Chennai Central - Coimbatore Vande Bharat Express Delhi Cantonment - Ajmer Vande Bharat Express Kasaragod - Thiruvananthapuram Vande Bharat Express Howrah - Puri Vande Bharat Express Anand Vihar Terminal - Dehradun Vande Bharat Express New Jalpaiguri - Guwahati Vande Bharat Express Mumbai CSMT - Madgaon Vande Bharat Express Patna - Ranchi Vande Bharat Express KSR Bengaluru - Dharwad Vande Bharat Express Rani Kamalapati (Habibganj) - Jabalpur Vande Bharat Express Indore - Bhopal Vande Bharat Express Jodhpur - Sabarmati (Ahmedabad) Vande Bharat Express Gorakhpur - Lucknow Charbagh Vande Bharat Express Train Name

LATEST TRAIN INAUGURATION

```
Train Name Inauguration
    Gorakhpur - Lucknow Charbagh Vande Bharat Express
                                                         2023-07-07
    Jodhpur - Sabarmati (Ahmedabad) Vande Bharat E...
                                                         2023-07-07
                 Indore - Bhopal Vande Bharat Express
23
                                                         2023-06-27
22
   Rani Kamalapati (Habibganj) - Jabalpur Vande B...
                                                         2023-06-27
21
         KSR Bengaluru - Dharwad Vande Bharat Express
                                                         2023-06-27
20
                  Patna - Ranchi Vande Bharat Express
                                                         2023-06-27
           Mumbai CSMT - Madgaon Vande Bharat Express
19
                                                         2023-06-27
           Mumbai CSMT - Madgaon Vande Bharat Express
18
                                                         2023-06-27
17
       New Jalpaiguri - Guwahati Vande Bharat Express
                                                         2023-05-29
16
   Anand Vihar Terminal - Dehradun Vande Bharat E...
                                                         2023-05-25
15
                   Howrah - Puri Vande Bharat Express
                                                         2023-05-18
14
    Kasaragod - Thiruvananthapuram Vande Bharat Ex...
                                                         2023-04-25
        Delhi Cantonment - Ajmer Vande Bharat Express
13
                                                         2023-04-12
12
    MGR Chennai Central - Coimbatore Vande Bharat ...
                                                         2023-04-08
11
         Secunderabad - Tirupati Vande Bharat Express
                                                         2023-04-08
   Rani Kamalapati (Habibganj) - Hazrat Nizamuddi...
10
                                                         2023-04-01
9
    Mumbai CSMT - Sainagar Shirdi Vande Bharat Exp...
                                                         2023-02-10
8
           Mumbai CSMT - Solapur Vande Bharat Express
                                                         2023-02-10
7
    Visakhapatnam - Secunderabad Vande Bharat Express
                                                         2023-01-15
6
         Howrah - New Jalpaiguri Vande Bharat Express
                                                         2022-12-30
5
               Bilaspur - Nagpur Vande Bharat Express
                                                         2022-12-11
4
    MGR Chennai Central - Mysuru Vande Bharat Express
                                                         2022-11-11
         New Delhi - Amb Andaura Vande Bharat Express
3
                                                         2022-10-13
2
    Mumbai Central - Gandhinagar Capital Vande Bha...
                                                         2022-09-30
    New Delhi - Shri Mata Vaishno Devi Katra Vande...
                                                         2019-10-03
            New Delhi - Varanasi Vande Bharat Express
                                                         2019-02-15
```