DATA ANALYTICS
Assignment 1

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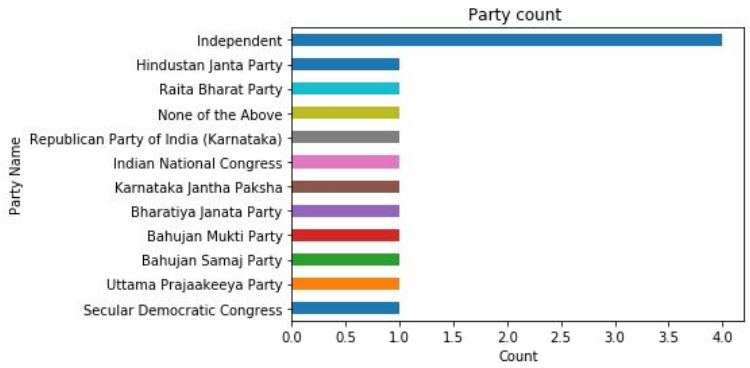
PROBLEM STATEMENT :

Use the Lok Sabha dataset for demonstrating different data visualization techniques.

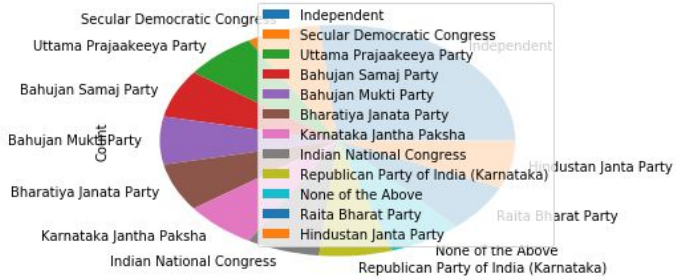
In [14]:
```
# Number of residential property transactions in Aug 2018 by property type
Partyvotes = bvotes["Party"].value_counts()
Partyvotes.sort_values().plot(kind='barh')
plt.title('Party count ')
plt.ylabel('Party Name')
plt.xlabel('Count')
```

Out[14]: Text(0.5,0,'Count')

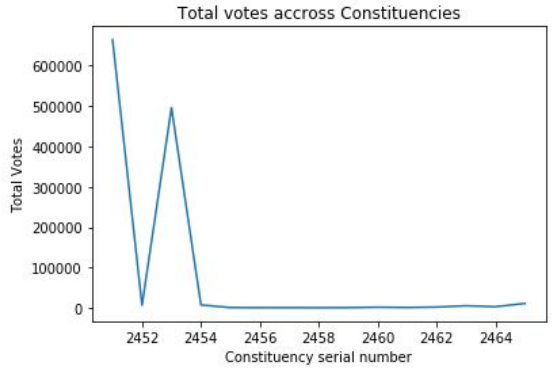


In [15]:
```
#Pie Chart
sale_volume = pd.DataFrame(bvotes['Party'].value_counts())
sale_volume.columns=['Count']
sale_volume.plot(kind='pie', y='Count')
```

Out[15]: <matplotlib.axes._subplots.AxesSubplot at 0x226db98eb38>



In [13]:
```
import matplotlib.pyplot as plt
%matplotlib inline
# Line graph for total votes across constituencies in Bagalkot
btotalvotes = bvotes['Total Votes']
btotalvotes.plot()
plt.title('Total votes accross Constituencies')
plt.ylabel('Total Votes')
plt.xlabel('Constituency serial number')
plt.rcParams['figure.figsize'] = (20.0, 10.0)
```



In [16]:
```
# Price distribution box plot
bvotes['Total Votes'].plot(kind="box")
plt.title('House Price distribution by Property Type')
plt.ylabel('No of votes')
#Outliers exist
```

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

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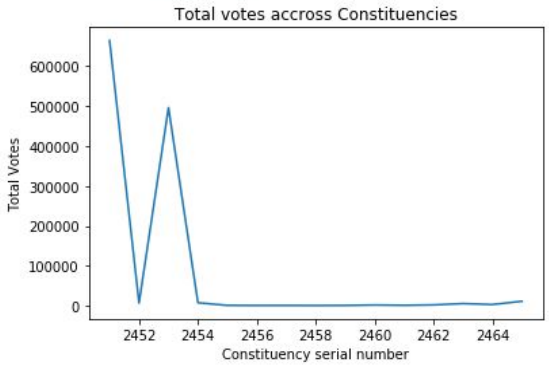

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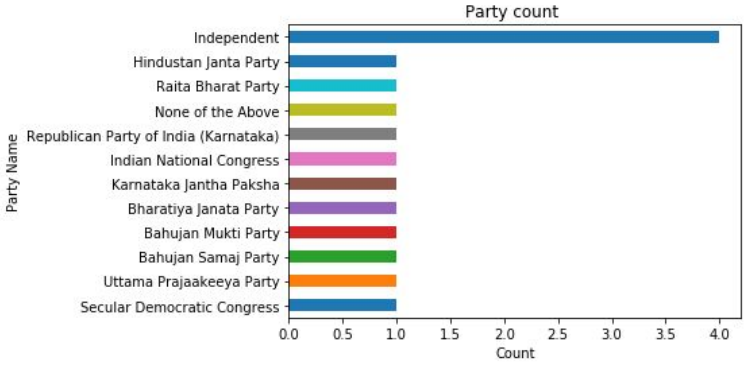

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