In [1]:
```
import pandas as pd
```

In [61]:
```
salary_data = pd.read_csv("Salaries.csv");
```

```
C:\Users\Aswathi Achu\anaconda3\lib\site-packages\IPython\core\interactiveshell.py:3146:
DtypeWarning: Columns (12) have mixed types.Specify dtype option on import or set low_me
mory=False.
  has_raised = await self.run_ast_nodes(code_ast.body, cell_name,
```

In [7]:
```
salary_df = pd.DataFrame(salary_data)
```

In [21]:
```
salary_2011 = salary_df[salary_df['Year'] == 2011]
```

In [24]:
```
total_salary_2011 = salary_2011['TotalPay'].sum()
total_salary_2011
```

Out[24]:
```
2594113030.72
```

In [26]:
```
salary_2014 = salary_df[salary_df['Year'] == 2014]
total_salary_2014 = salary_2014['TotalPay'].sum()
total_salary_2014
```

Out[26]:
```
2876910951.2599998
```

In [28]:
```
total_cost_increase = total_salary_2014 - total_salary_2011
total_cost_increase
```

Out[28]:
```
282797920.53999996
```

In [33]:
```
salary_2012 = salary_df[salary_df['Year'] == 2012]
salary_2013 = salary_df[salary_df['Year'] == 2013]
```

In [46]:
```
top_salary_2011 = salary_2011[['EmployeeName','JobTitle', 'TotalPay']]
top_salary_2011 = top_salary_2011.sort_values('TotalPay', ascending = False)
top_salary_2011.head(1)
```

Out[46]:

	EmployeeName	JobTitle	TotalPay
0	NATHANIEL FORD	GENERAL MANAGER-METROPOLITAN TRANSIT AUTHORITY	567595.43

In [48]:
```
top_salary_2012 = salary_2012[['EmployeeName','JobTitle', 'TotalPay']]
top_salary_2012 = top_salary_2012.sort_values('TotalPay', ascending = False)
top_salary_2012.head(1)
```

Out[48]:

	EmployeeName	JobTitle	TotalPay
36158	Gary Altenberg	Lieutenant, Fire Suppression	362844.66

In [49]:
```
top_salary_2013 = salary_2013[['EmployeeName','JobTitle', 'TotalPay']]
top_salary_2013 = top_salary_2013.sort_values('TotalPay', ascending = False)
top_salary_2013.head(1)
```

Out[49]:

	EmployeeName	JobTitle	TotalPay

	EmployeeName	JobTitle	TotalPay
72925	Samson Lai	Battalion Chief, Fire Suppress	347102.32

In [50]:
```
top_salary_2014 = salary_2014[['EmployeeName','JobTitle', 'TotalPay']]
top_salary_2014 = top_salary_2014.sort_values('TotalPay', ascending = False)
top_salary_2014.head(1)
```

Out[50]:

	EmployeeName	JobTitle	TotalPay
110529	David Shinn	Deputy Chief 3	471952.64

In [ ]:

In [ ]: