

# Data scientist salary

## Libraries

```
In [61]: import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
```

## Load the dataset

```
In [4]: DS = pd.read_csv('Data Scientist Salary EDA.csv',encoding = 'latin1')
```

In [5]: DS

Out[5]:

	index	Job Title	Salary Estimate	Job Description	Rating	Company Name	Location	Headquarters	Size	Founded	...	tensc
0	0	Data Scientist	53K–91K (Glassdoor est.)	Data Scientist\nLocation: Albuquerque, NM\nEdu...	3.8	Tecolote Research\n3.8	Albuquerque, NM	Goleta, CA	501 - 1000	1973	...	
1	1	Healthcare Data Scientist	63K–112K (Glassdoor est.)	What You Will Do:\n\nI. General Summary\n\nThe...	3.4	University of Maryland Medical System\n3.4	Linthicum, MD	Baltimore, MD	10000+	1984	...	
2	2	Data Scientist	80K–90K (Glassdoor est.)	KnowBe4, Inc. is a high growth information sec...	4.8	KnowBe4\n4.8	Clearwater, FL	Clearwater, FL	501 - 1000	2010	...	
3	3	Data Scientist	56K–97K (Glassdoor est.)	*Organization and Job ID*\nJob ID: 310709\n\n...	3.8	PNNL\n3.8	Richland, WA	Richland, WA	1001 - 5000	1965	...	
4	4	Data Scientist	86K–143K (Glassdoor est.)	Data Scientist\nAffinity Solutions / Marketing...	2.9	Affinity Solutions\n2.9	New York, NY	New York, NY	51 - 200	1998	...	
...	...	...	...	...	...	...	...	...	...	...	...	...
737	950	Sr Scientist, Immunology - Oncology	58K–111K (Glassdoor est.)	Site Name: USA - Massachusetts - Cambridge\nPo...	3.9	GSK\n3.9	Cambridge, MA	Brentford, United Kingdom	10000+	1830	...	
738	951	Senior Data Engineer	72K–133K (Glassdoor est.)	THE CHALLENGE\nEventbrite has a world-class da...	4.4	Eventbrite\n4.4	Nashville, TN	San Francisco, CA	1001 - 5000	2006	...	
739	952	Project Scientist - Auton Lab, Robotics Institute	56K–91K (Glassdoor est.)	The Auton Lab at Carnegie Mellon University is...	2.6	Software Engineering Institute\n2.6	Pittsburgh, PA	Pittsburgh, PA	501 - 1000	1984	...	
740	953	Data Science Manager	95K–160K (Glassdoor est.)	Data Science ManagerResponsibilities:\n\nOvers...	3.2	Numeric, LLC\n3.2	Allentown, PA	Chadds Ford, PA	1 - 50	-1	...	

	index	Job Title	Salary Estimate	Job Description	Rating	Company Name	Location	Headquarters	Size	Founded	...	tensc
741	955	Research Scientist â□□ Security and Privacy	61K–126K (Glassdoor est.)	Returning Candidate? Log back in to the Career...	3.6	Riverside Research Institute\n3.6	Beavercreek, OH	Arlington, VA	501 - 1000	1967	...	

742 rows × 42 columns

## Explore the data

In [6]: DS.head()

Out[6]:

	index	Job Title	Salary Estimate	Job Description	Rating	Company Name	Location	Headquarters	Size	Founded	...	tensor	hadoop	tablea
0	0	Data Scientist	53K–91K (Glassdoor est.)	Data Scientist\nLocation: Albuquerque, NM\nEdu...	3.8	Tecolote Research\n3.8	Albuquerque, NM	Goleta, CA	501 - 1000	1973	...	0	0	
1	1	Healthcare Data Scientist	63K–112K (Glassdoor est.)	What You Will Do:\n\nI. General Summary\n\nThe...	3.4	University of Maryland Medical System\n3.4	Linthicum, MD	Baltimore, MD	10000+	1984	...	0	0	
2	2	Data Scientist	80K–90K (Glassdoor est.)	KnowBe4, Inc. is a high growth information sec...	4.8	KnowBe4\n4.8	Clearwater, FL	Clearwater, FL	501 - 1000	2010	...	0	0	
3	3	Data Scientist	56K–97K (Glassdoor est.)	*Organization and Job ID*\nJob ID: 310709\n\n...	3.8	PNNL\n3.8	Richland, WA	Richland, WA	1001 - 5000	1965	...	0	0	
4	4	Data Scientist	86K–143K (Glassdoor est.)	Data Scientist\nAffinity Solutions / Marketing...	2.9	Affinity Solutions\n2.9	New York, NY	New York, NY	51 - 200	1998	...	0	0	

5 rows × 42 columns



In [7]: DS.tail()

Out[7]:

	index	Job Title	Salary Estimate	Job Description	Rating	Company Name	Location	Headquarters	Size	Founded	...	tensor
737	950	Sr Scientist, Immunology - Oncology	58K – 111K (Glassdoor est.)	Site Name: USA - Massachusetts - CambridgePo...	3.9	GSK\n3.9	Cambridge, MA	Brentford, United Kingdom	10000+	1830	...	0
738	951	Senior Data Engineer	72K – 133K (Glassdoor est.)	THE CHALLENGE\nEventbrite has a world-class da...	4.4	Eventbrite\n4.4	Nashville, TN	San Francisco, CA	1001 - 5000	2006	...	0
739	952	Project Scientist - Auton Lab, Robotics Institute	56K – 91K (Glassdoor est.)	The Auton Lab at Carnegie Mellon University is...	2.6	Software Engineering Institute\n2.6	Pittsburgh, PA	Pittsburgh, PA	501 - 1000	1984	...	0
740	953	Data Science Manager	95K – 160K (Glassdoor est.)	Data Science ManagerResponsibilities:\n\nOvers...	3.2	Numeric, LLC\n3.2	Allentown, PA	Chadds Ford, PA	1 - 50	-1	...	0
741	955	Research Scientist - Security and Privacy	61K – 126K (Glassdoor est.)	Returning Candidate? Log back in to the Career...	3.6	Riverside Research Institute\n3.6	Beavercreek, OH	Arlington, VA	501 - 1000	1967	...	0

5 rows × 42 columns



In [8]: DS.shape

Out[8]: (742, 42)

In [9]: DS.sample()

Out[9]:

	index	Job Title	Salary Estimate	Job Description	Rating	Company Name	Location	Headquarters	Size	Founded	...	tensor	hadoop	tableau
219	267	Lead Data Scientist	124K–204K (Glassdoor est.)	Description\n\nSince 1851, MassMutuals com...	3.6	MassMutual\n3.6	Boston, MA	Springfield, MA	5001 - 10000	1851	...	0	1	0

1 rows × 42 columns



In [12]: DS.columns

Out[12]: Index(['index', 'Job Title', 'Salary Estimate', 'Job Description', 'Rating', 'Company Name', 'Location', 'Headquarters', 'Size', 'Founded', 'Type of ownership', 'Industry', 'Sector', 'Revenue', 'Competitors', 'Hourly', 'Employer provided', 'Lower Salary', 'Upper Salary', 'Avg Salary(K)', 'company\_txt', 'Job Location', 'Age', 'Python', 'spark', 'aws', 'excel', 'sql', 'sas', 'keras', 'pytorch', 'scikit', 'tensor', 'hadoop', 'tableau', 'bi', 'flink', 'mongo', 'google\_an', 'job\_title\_sim', 'seniority\_by\_title', 'Degree'], dtype='object')

```
In [13]: DS.mean()
```

```
C:\Users\abhim\AppData\Local\Temp\ipykernel_10116\258044430.py:1: FutureWarning: The default value of numeric_only in DataFrame.mean is deprecated. In a future version, it will default to False. In addition, specifying 'numeric_only=None' is deprecated. Select only valid columns or specify the value of numeric_only to silence this warning.
```

```
DS.mean()
```

```
Out[13]: index          469.129380
Rating          3.618868
Founded        1837.154987
Hourly          0.032345
Employer provided 0.022911
Lower Salary    74.754717
Upper Salary    128.214286
Avg Salary(K)   101.484501
Age             47.524259
Python          0.528302
spark           0.225067
aws             0.237197
excel           0.522911
sql             0.512129
sas             0.088949
keras           0.039084
pytorch         0.052561
scikit          0.072776
tensor          0.097035
hadoop          0.167116
tableau         0.199461
bi              0.075472
flink           0.013477
mongo           0.049865
google_an       0.018868
dtype: float64
```



```
In [14]: DS.median()
```

```
C:\Users\abhim\AppData\Local\Temp\ipykernel_10116\3307674007.py:1: FutureWarning: The default value of numeric_only in DataFrame.median is deprecated. In a future version, it will default to False. In addition, specifying 'numeric_only=None' is deprecated. Select only valid columns or specify the value of numeric_only to silence this warning.
```

```
DS.median()
```

```
Out[14]: index          472.5  
Rating             3.7  
Founded           1988.0  
Hourly             0.0  
Employer provided  0.0  
Lower Salary       69.5  
Upper Salary      124.0  
Avg Salary(K)      97.5  
Age                25.0  
Python             1.0  
spark              0.0  
aws                0.0  
excel              1.0  
sql                1.0  
sas                0.0  
keras              0.0  
pytorch            0.0  
scikit             0.0  
tensor             0.0  
hadoop             0.0  
tableau            0.0  
bi                 0.0  
flink              0.0  
mongo              0.0  
google_an          0.0  
dtype: float64
```

In [10]: DS.describe()

Out[10]:

	index	Rating	Founded	Hourly	Employer provided	Lower Salary	Upper Salary	Avg Salary(K)	Age	Python	...	keras
<b>count</b>	742.000000	742.000000	742.000000	742.000000	742.000000	742.000000	742.000000	742.000000	742.000000	742.000000	...	742.000000
<b>mean</b>	469.129380	3.618868	1837.154987	0.032345	0.022911	74.754717	128.214286	101.484501	47.524259	0.528302	...	0.039084
<b>std</b>	279.793117	0.801210	497.183763	0.177034	0.149721	30.945892	45.128650	37.482449	53.839080	0.499535	...	0.193925
<b>min</b>	0.000000	-1.000000	-1.000000	0.000000	0.000000	15.000000	16.000000	15.500000	-1.000000	0.000000	...	0.000000
<b>25%</b>	221.500000	3.300000	1939.000000	0.000000	0.000000	52.000000	96.000000	73.500000	12.000000	0.000000	...	0.000000
<b>50%</b>	472.500000	3.700000	1988.000000	0.000000	0.000000	69.500000	124.000000	97.500000	25.000000	1.000000	...	0.000000
<b>75%</b>	707.750000	4.000000	2007.000000	0.000000	0.000000	91.000000	155.000000	122.500000	60.000000	1.000000	...	0.000000
<b>max</b>	955.000000	5.000000	2019.000000	1.000000	1.000000	202.000000	306.000000	254.000000	277.000000	1.000000	...	1.000000

8 rows × 25 columns

In [11]: DS.describe(include = 'object')

Out[11]:

	Job Title	Salary Estimate	Job Description	Company Name	Location	Headquarters	Size	Type of ownership	Industry	Sector	Revenue
<b>count</b>	742	742	742	742	742	742	742	742	742	742	742
<b>unique</b>	264	416	463	343	200	198	8	9	60	25	13
<b>top</b>	Data Scientist	49K – 113K (Glassdoor est.)	Description\nMedical Laboratory Scientist - Te...	MassMutual\n3.6	New York, NY	New York, NY	1001 - 5000	Company - Private	Biotech & Pharmaceuticals	Information Technology	Unknown / Non-Applicable
<b>freq</b>	131	6	4	14	55	52	150	410	112	180	204

In [15]:

```
DS.info()
```

```

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 742 entries, 0 to 741
Data columns (total 42 columns):
#   Column                Non-Null Count  Dtype
---  -
0   index                 742 non-null   int64
1   Job Title             742 non-null   object
2   Salary Estimate       742 non-null   object
3   Job Description       742 non-null   object
4   Rating                742 non-null   float64
5   Company Name          742 non-null   object
6   Location              742 non-null   object
7   Headquarters          742 non-null   object
8   Size                  742 non-null   object
9   Founded               742 non-null   int64
10  Type of ownership     742 non-null   object
11  Industry              742 non-null   object
12  Sector                742 non-null   object
13  Revenue               742 non-null   object
14  Competitors           742 non-null   object
15  Hourly                742 non-null   int64
16  Employer provided     742 non-null   int64
17  Lower Salary          742 non-null   int64
18  Upper Salary          742 non-null   int64
19  Avg Salary(K)         742 non-null   float64
20  company_txt           742 non-null   object
21  Job Location          742 non-null   object
22  Age                   742 non-null   int64
23  Python                742 non-null   int64
24  spark                 742 non-null   int64
25  aws                   742 non-null   int64
26  excel                 742 non-null   int64
27  sql                   742 non-null   int64
28  sas                   742 non-null   int64
29  keras                 742 non-null   int64
30  pytorch               742 non-null   int64
31  scikit                742 non-null   int64
32  tensor                742 non-null   int64
33  hadoop                742 non-null   int64
34  tableau               742 non-null   int64
35  bi                    742 non-null   int64

```

```
36  flink                742 non-null    int64
37  mongo                742 non-null    int64
38  google_an            742 non-null    int64
39  job_title_sim        742 non-null    object
40  seniority_by_title   742 non-null    object
41  Degree                742 non-null    object
dtypes: float64(2), int64(23), object(17)
memory usage: 243.6+ KB
```

```
In [16]: DS.isnull().sum()
```

```
Out[16]: index          0
         Job Title      0
         Salary Estimate 0
         Job Description 0
         Rating         0
         Company Name   0
         Location       0
         Headquarters    0
         Size           0
         Founded        0
         Type of ownership 0
         Industry       0
         Sector         0
         Revenue        0
         Competitors    0
         Hourly         0
         Employer provided 0
         Lower Salary   0
         Upper Salary   0
         Avg Salary(K)  0
         company_txt    0
         Job Location   0
         Age            0
         Python         0
         spark          0
         aws            0
         excel         0
         sql            0
         sas            0
         keras         0
         pytorch       0
         scikit        0
         tensor        0
         hadoop        0
         tableau       0
         bi            0
         flink         0
         mongo         0
         google_an     0
         job_title_sim  0
         seniority_by_title 0
```

Degree                      0  
dtype: int64

## Data cleaning

```
In [23]: Columns_deleted = ['Job Title', 'Salary Estimate', 'Job Description', 'Rating', 'Company Name', 'Headquarters', 'Founded',  
                             'Industry', 'Revenue', 'Competitors', 'Hourly', 'Employer provided', 'Age']
```

```
In [26]: DS.drop(columns = Columns_deleted,axis=1,inplace = True)
```

C:\Users\abhim\AppData\Local\Temp\ipykernel\_10116\1920359739.py:1: SettingWithCopyWarning:  
A value is trying to be set on a copy of a slice from a DataFrame

See the caveats in the documentation: [https://pandas.pydata.org/pandas-docs/stable/user\\_guide/indexing.html#returning-a-view-versus-a-copy](https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy) ([https://pandas.pydata.org/pandas-docs/stable/user\\_guide/indexing.html#returning-a-view-versus-a-copy](https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy))

```
DS.drop(columns = Columns_deleted,axis=1,inplace = True)
```

```
In [27]: DS = DS.drop_duplicates(['company_txt','Upper Salary'])
```

```
In [28]: change_name_column = {'job_title_sim': 'job_title'}  
DS.rename(columns = change_name_column,inplace=True)
```



In [29]: DS.head()

Out[29]:

pe of ship	Sector	Lower Salary	Upper Salary	Avg Salary(K)	company_txt	Job Location	...	tensor	hadoop	tableau	bi	flink	mongo	google_an	job_title	seniority_by_
any - ivate	Aerospace & Defense	53	91	72.0	Tecolote Research	NM	...	0	0	1	1	0	0	0	data scientist	
Other ation	Health Care	63	112	87.5	University of Maryland Medical System	MD	...	0	0	0	0	0	0	0	data scientist	
any - ivate	Business Services	80	90	85.0	KnowBe4	FL	...	0	0	0	0	0	0	0	data scientist	
ment	Oil, Gas, Energy & Utilities	56	97	76.5	PNNL	WA	...	0	0	0	0	0	0	0	data scientist	
any - ivate	Business Services	86	143	114.5	Affinity Solutions	NY	...	0	0	0	0	0	0	0	data scientist	



In [30]: DS.shape

Out[30]: (455, 29)

## valuable insights for analysis

```
In [31]: DS[['Lower Salary', 'Upper Salary']].describe()
```

Out[31]:

	Lower Salary	Upper Salary
<b>count</b>	455.000000	455.000000
<b>mean</b>	74.885714	128.274725
<b>std</b>	30.023781	44.146848
<b>min</b>	15.000000	16.000000
<b>25%</b>	54.000000	98.000000
<b>50%</b>	71.000000	124.000000
<b>75%</b>	90.500000	150.000000
<b>max</b>	202.000000	306.000000

```
In [32]: DS['job_title'].unique()
```

Out[32]: array(['data scientist', 'other scientist', 'analyst', 'data engineer',  
'data analitics', 'na', 'data modeler',  
'Data scientist project manager', 'machine learning engineer',  
'director'], dtype=object)

```
In [34]: job_titles = DS[['Lower Salary', 'Upper Salary', 'job_title']]  
# Filtering job title
```

```
In [36]: job_titles.head()
```

```
Out[36]:
```

	Lower Salary	Upper Salary	job_title
0	53	91	data scientist
1	63	112	data scientist
2	80	90	data scientist
3	56	97	data scientist
4	86	143	data scientist

```
In [37]: job_titles['job_title'].value_counts()
```

```
Out[37]: data scientist      206  
data engineer      75  
other scientist    69  
analyst           69  
machine learning engineer  10  
Data scientist project manager  8  
na                6  
data analytics    5  
data modeler      4  
director          3  
Name: job_title, dtype: int64
```

```
In [46]: data_career = ['data scientist', 'other scientist', 'analyst', 'data engineer', 'data analitics', 'data modeler',
                        'machine learning engineer']

data_scientist = job_titles.query('job_title in @data_career')
data_scientist
```

Out[46]:

	Lower Salary	Upper Salary	job_title
<b>0</b>	53	91	data scientist
<b>1</b>	63	112	data scientist
<b>2</b>	80	90	data scientist
<b>3</b>	56	97	data scientist
<b>4</b>	86	143	data scientist
...	...	...	...
<b>695</b>	63	110	data modeler
<b>700</b>	65	113	data scientist
<b>716</b>	59	125	other scientist
<b>732</b>	80	142	machine learning engineer
<b>735</b>	62	113	data engineer

438 rows × 3 columns

```
In [47]: data_scientist[['Lower Salary', 'Upper Salary']].describe()
```

Out[47]:

	Lower Salary	Upper Salary
<b>count</b>	438.000000	438.000000
<b>mean</b>	75.283105	128.744292
<b>std</b>	30.003543	44.275024
<b>min</b>	15.000000	16.000000
<b>25%</b>	54.000000	99.000000
<b>50%</b>	71.000000	124.000000
<b>75%</b>	91.000000	150.750000
<b>max</b>	202.000000	306.000000

```
In [48]: highly_qualified = ['Data scientist project manager', 'director']
managerial_jobs = DS[['Lower Salary', 'Upper Salary', 'job_title']]
managerial_jobs = managerial_jobs.query('job_title in @highly_qualified')
managerial_jobs.head()
```

Out[48]:

	Lower Salary	Upper Salary	job_title
<b>127</b>	26	55	Data scientist project manager
<b>153</b>	85	134	Data scientist project manager
<b>169</b>	59	116	Data scientist project manager
<b>200</b>	42	86	Data scientist project manager
<b>325</b>	67	135	director

```
In [49]: managerial_jobs.groupby('job_title').mean()
```

Out[49]:

	Lower Salary	Upper Salary
job_title		
Data scientist project manager	51.125000	98.000000
director	101.666667	173.666667

```
In [50]: managerial_jobs.groupby('job_title').median()
```

Out[50]:

	Lower Salary	Upper Salary
job_title		
Data scientist project manager	47.5	95.0
director	102.0	178.0

```
In [53]: seniors = DS[['Lower Salary', 'Upper Salary', 'job_title',
                      'seniority_by_title']]

sr = ['sr']

seniors = seniors.query('seniority_by_title in @sr')
seniors.head()
```

Out[53]:

	Lower Salary	Upper Salary	job_title	seniority_by_title
21	73	119	data scientist	sr
38	115	180	data scientist	sr
44	110	150	data scientist	sr
46	158	211	data scientist	sr
60	82	132	data scientist	sr

```
In [54]: seniors['job_title'].value_counts()
```

```
Out[54]: data scientist          58
other scientist          23
analyst                  18
data engineer            18
machine learning engineer  2
na                        2
Name: job_title, dtype: int64
```

```
In [55]: comparison = data_scientist.copy()
comparison = comparison.rename(columns={'Lower Salary': 'Lower Salary - Data Scientists',
                                       'Upper Salary': 'Upper Salary - Data Scientists'})
comparison.drop(columns = 'job_title', axis = 1, inplace = True)
comparison['Lower Salary - Seniors'] = seniors['Lower Salary']
comparison['Upper Salary - Seniors'] = seniors['Upper Salary']
comparison.describe()
```

```
Out[55]:
```

	Lower Salary - Data Scientists	Upper Salary - Data Scientists	Lower Salary - Seniors	Upper Salary - Seniors
<b>count</b>	438.000000	438.000000	119.000000	119.000000
<b>mean</b>	75.283105	128.744292	92.403361	153.882353
<b>std</b>	30.003543	44.275024	32.506927	44.257945
<b>min</b>	15.000000	16.000000	20.000000	35.000000
<b>25%</b>	54.000000	99.000000	71.000000	125.000000
<b>50%</b>	71.000000	124.000000	92.000000	151.000000
<b>75%</b>	91.000000	150.750000	110.500000	180.500000
<b>max</b>	202.000000	306.000000	200.000000	289.000000

## Visualization

```
In [106]: fig, axes = plt.subplots(2, 1, sharex=True, figsize=(12,8))

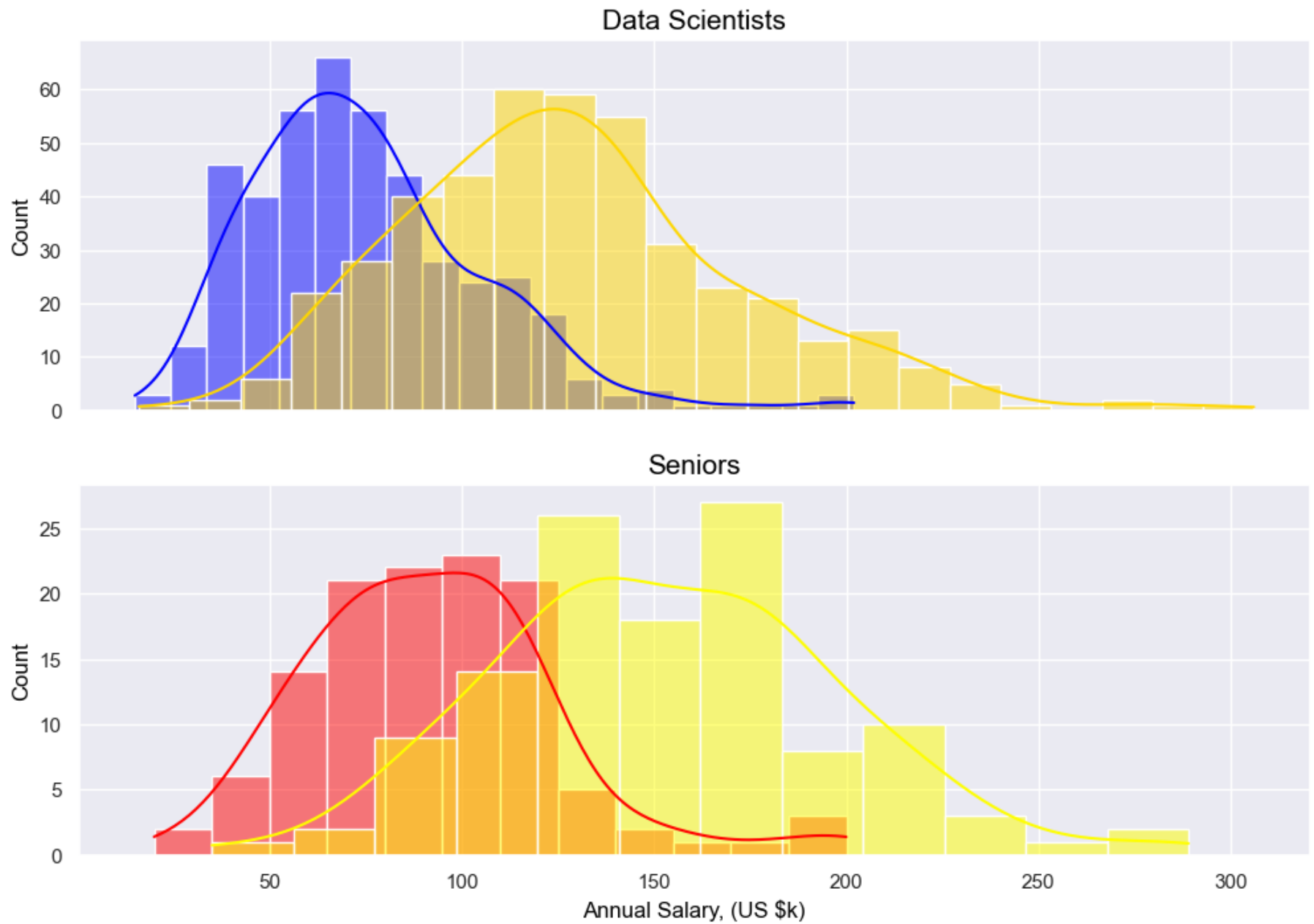
plt.xlabel('Annual Salary, (US $k)', color = 'black', fontsize = 12)

ax1 = sns.histplot(ax = axes[0], x = data_scientist['Lower Salary'],color = 'blue', label = 'Lower Salary', kde = True)
ax1 = sns.histplot (ax = axes[0], x = data_scientist['Upper Salary'],color = 'gold', label = 'Upper Salary', kde = True)
axes[0].set_title('Data Scientists', fontsize = 15,color = 'black')
axes[0].set_ylabel('Count', color = 'black', fontsize = 12)

ax2 = sns.histplot(ax = axes[1], x = seniors['Lower Salary'],color = 'red', label = 'Lower Salary', kde = True)
ax2 = sns.histplot (ax = axes[1], x = seniors['Upper Salary'], color = 'yellow', label = 'Upper Salary', kde = True)
axes[1].set_title('Seniors', fontsize = 15, color = 'black')
axes[1].set_ylabel('Count', color = 'black', fontsize = 12)

plt.show()
```





In [ ]:

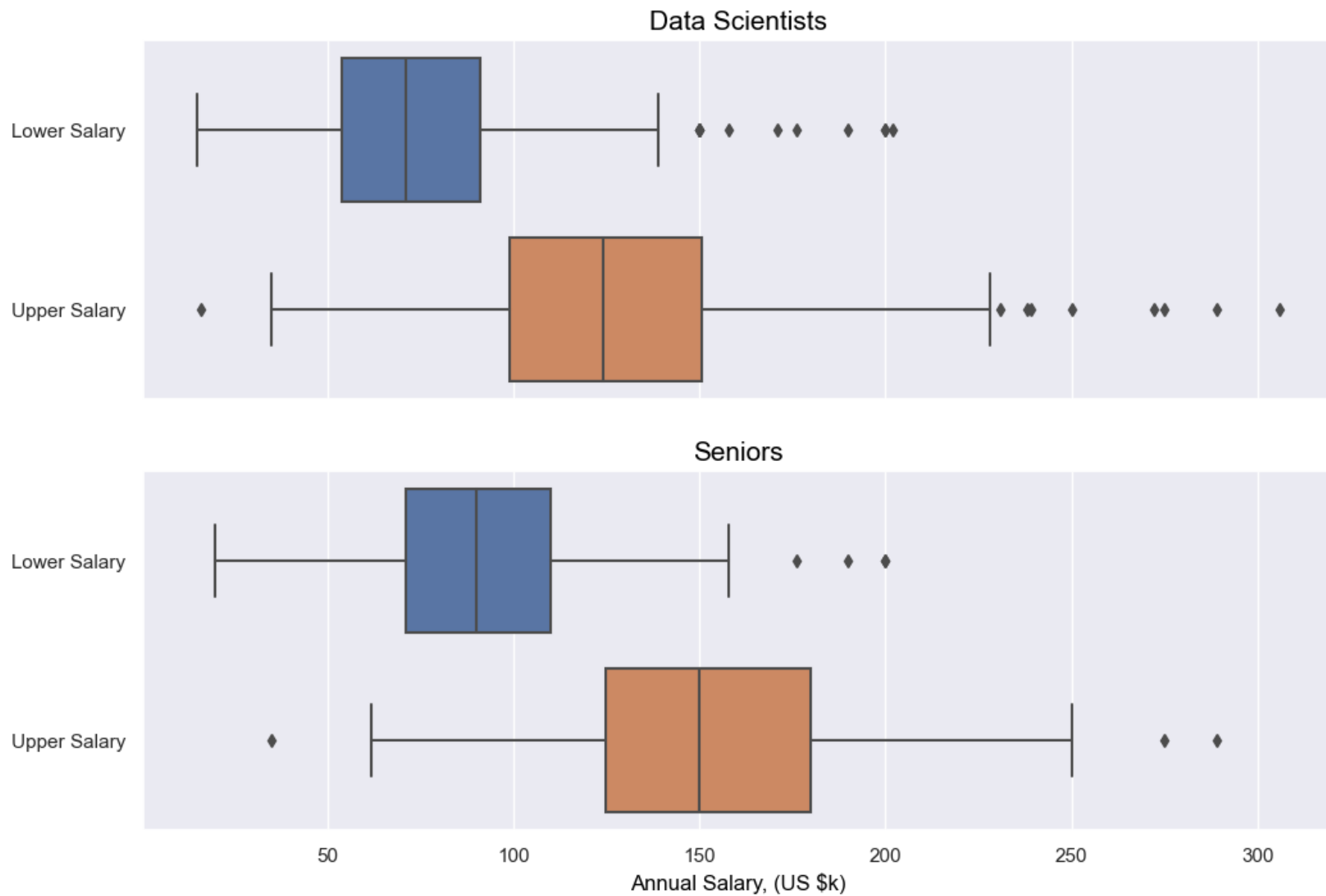
```
In [99]: fig, axes = plt.subplots(2, 1, sharex=True, figsize=(12,8))

plt.xlabel('Annual Salary, (US $k)', color = 'black', fontsize = 12)

ax1 = sns.boxplot(ax = axes[0], data = data_scientist, order = ['Lower Salary', 'Upper Salary'], orient = 'h')
axes[0].set_title('Data Scientists', fontsize = 15, color = 'black')

ax2 = sns.boxplot(ax = axes[1], data = seniors, order = ['Lower Salary', 'Upper Salary'], orient = 'h')
axes[1].set_title('Seniors', fontsize = 15, color = 'black')

plt.show()
```



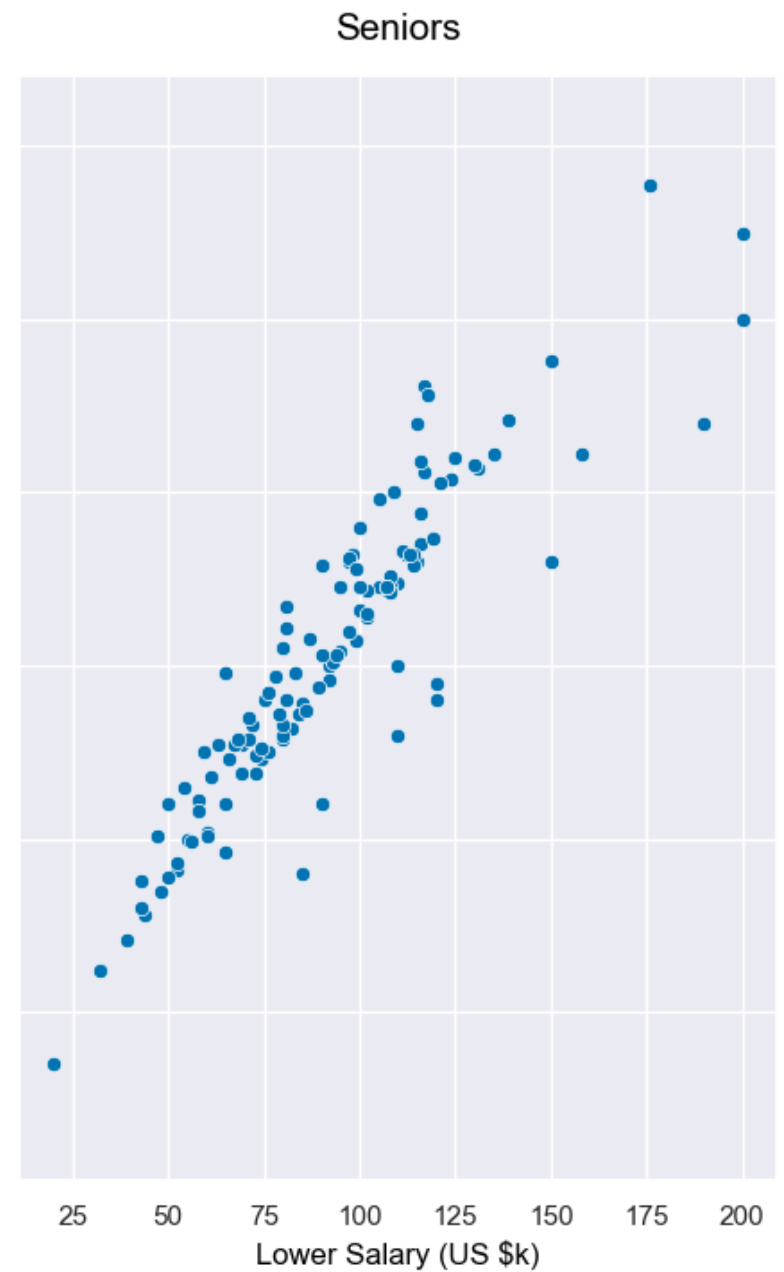
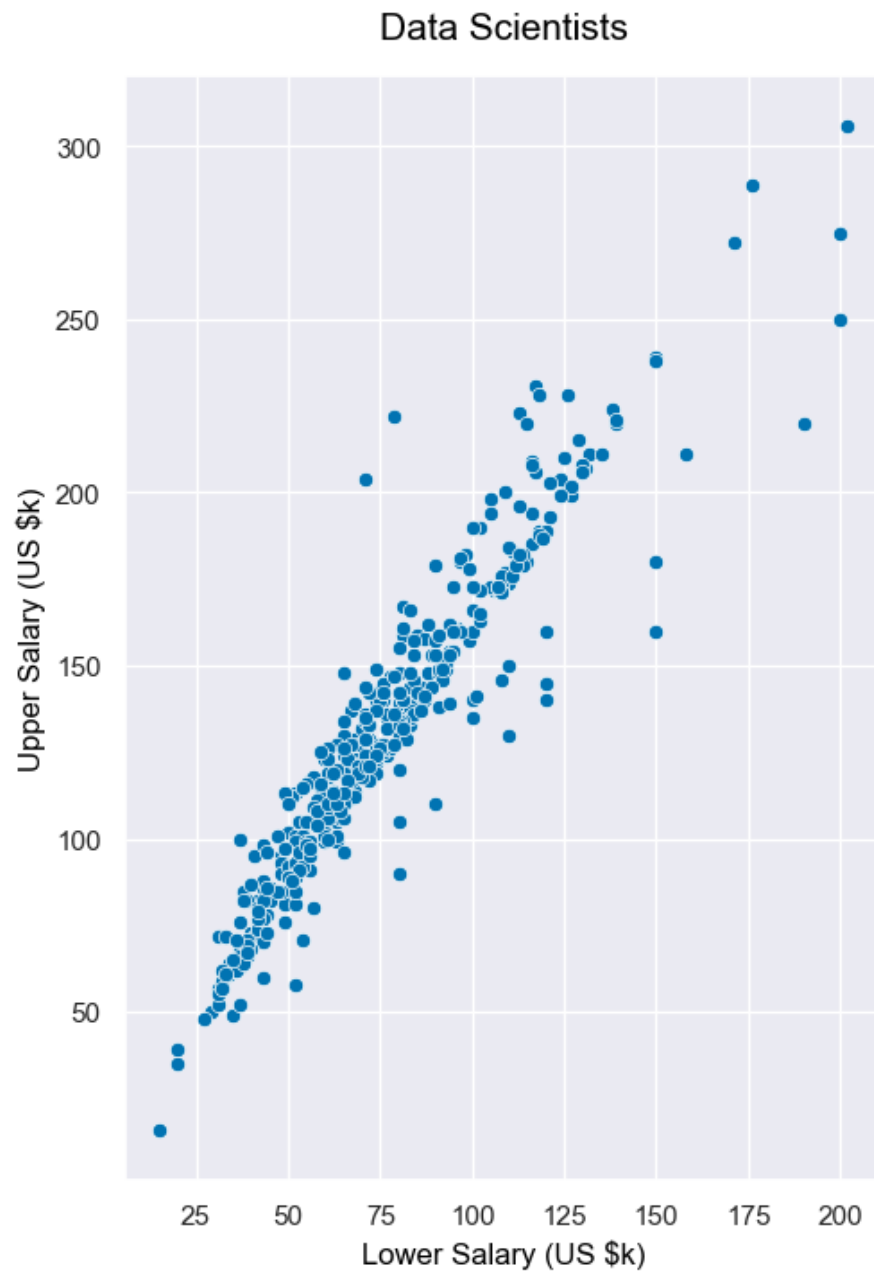
In [ ]:

```
In [104]: fig, axes = plt.subplots(1, 2, sharey=True, figsize=(12, 8))

ax1 = sns.scatterplot(ax=axes[0], x="Lower Salary", y="Upper Salary", data=data_scientist)
ax1.set_title('Data Scientists', color='black', fontsize=15, y=1.02)
axes[0].set_xlabel('Lower Salary (US $k)', color='black', fontsize=12)
axes[0].set_ylabel('Upper Salary (US $k)', color='black', fontsize=12)

ax2 = sns.scatterplot(ax=axes[1], x="Lower Salary", y="Upper Salary", data=seniors)
ax2.set_title('Seniors', color='black', fontsize=15, y=1.02)
axes[1].set_xlabel('Lower Salary (US $k)', color='black', fontsize=12)
axes[1].set_ylabel('', color='black', fontsize=12)

plt.show()
```



-----**END**-----

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In [ ]: