INDEED DATA SCIENCE JOBS IN KARACHI

```python
In [1]:  import pandas as pd
         import requests
         from bs4 import BeautifulSoup
```

```python
In [2]:  def extract(page):
             headers = {'User Agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/103.0.0.0 Safari/537.36'}
             url = f'https://pk.indeed.com/jobs?q=data%20science&l=Karachi&start={page}'
             response = requests.get(url,headers)
             htmlcontent = response.content
             soup = BeautifulSoup(htmlcontent, 'html.parser')
             return soup
```

```python
In [10]:  def transform(soup):
              divs = soup.find_all('div', class_ = 'job_seen_beacon')
              for item in divs:
                  title = item.find('a').text.strip()
                  company = item.find('span', class_= 'companyName').text.strip()
                  location = item.find('div', class_= 'companyLocation').text.strip()
                  summary = item.find('div', class_= 'job-snippet').text.strip().replace('/n',' ')
                  try:
                      salary = item.find('div', class_= 'attribute_snippet').text.strip()
                  except:
                      salary = ' '

                  try:
                      rating = item.find('span', class_= 'ratingNumber').text
                  except:
                      rating = ''


                  job = {
                          'job_title' : title,
                          'job_company' : company,
                          'job_loction' : location,
                          'job_summary' : summary,
                          'job_ratings' : rating
                  }

                  joblist.append(job)

              return
```

```python
In [11]:  joblist = []
          for i in range(0,620,10):
              Extract = extract(i)
              transform(Extract)
          print(len(joblist))

          922
```

```python
In [12]:  df = pd.DataFrame(joblist)
```

```python
In [13]:  df.head()
```

Out[13]:

	job_title	job_company	job_loction	job_summary	job_ratings
0	IT Support Officer	ASL	Karachi	Installing and configuring computer hardware, ...	
1	Data Processing Associate	GfK	Karachi	To suggest improvements in product data develo...	3.7
2	Financial Analyst	QuickStart Technologies, Inc.	Karachi	P*assion |*R*espect	*A*ccountability	*I*nn...	
3	M&E Officer-INGO	HRSG	Karachi	• Periodically monitor project M&E activities ...	
4	IT Engineer - location Sharjah	Industrial Manufacturing Co. WLL	Karachi	Create and enforce policies for effective data...	

```python
In [14]:  df.tail()
```

Out[14]:

	job_title	job_company	job_loction	job_summary	job_ratings
917	UX Strategy Associate	Creative Chaos	Karachi	Synthesize customer data from many sources to ...	4.1
918	iOS Developer	Novus Altair	Karachi	The job role requires carrying out all iOS dev...	
919	Sr. iOS Developer	Novus Altair	Karachi	The job role requires carrying out all iOS dev...	
920	Senior AWS Back-End Developer	Circadia Health	Karachi	Solid grasp of computer science, algorithms an...	
921	Senior Full Stack Software Developer	Circadia Health	Karachi	Solid grasp of computer science, algorithms an...	

```python
In [15]:  df.to_csv('Indeed Data_Science Jobs In Karachi.csv')
```