```python
import pandas as pd
import matplotlib.pyplot as plt
```

```python
df = pd.read_csv("/content/drive/My Drive/Data.csv")
df = df.dropna()
df = df.reset_index(drop=True)
df.head()
```

	sl_no	gender	ssc_p	ssc_b	hsc_p	hsc_b	hsc_s	degree_p	degree_t	worl
0	1	M	67.00	Others	91.00	Others	Commerce	58.00	Sci&Tech	
1	2	M	79.33	Central	78.33	Others	Science	77.48	Sci&Tech	
2	3	M	65.00	Central	68.00	Central	Arts	64.00	Comm&Mgmt	
3	5	M	85.80	Central	73.60	Central	Commerce	73.30	Comm&Mgmt	
4	8	M	82.00	Central	64.00	Central	Science	66.00	Sci&Tech	

Comparison of GPA by salary

```python
def gpa_salary(data):
  gpa_salary = data.loc[:, ['degree_p', 'salary']]
  gpa_salary.plot.scatter(x='degree_p', y='salary', alpha=0.3)
  plt.show()
```

Comparison of GPA and Salary by Increase

```python
def gpa_salary_inc(data):
  row_data = data.loc[:, ['degree_p', 'salary']]
  select = row_data['salary'] > 360000
  gpa_salary = row_data[select]
  gpa_salary.plot.bar(x='degree_p', y='salary', alpha=0.3)
  plt.show()
```

Comparison of gender by salary

```python
def gen_sal_proportion(data):
  data.plot.scatter(x='gender', y='salary', alpha=0.3)
  plt.show()

def gender_ratio(data):
  # Find quantities
  female_count = data['gender'].value_counts()["F"]
```

```
  female_count = data['gender'].value_counts()['F']
  male_count = data['gender'].value_counts()["M"]

  labels = 'Female', 'Male'
  sizes = [female_count, male_count]
  explode = (0, 0.1)

  fig1, ax1 = plt.subplots()
  ax1.pie(sizes, explode=explode, labels=labels, autopct='%1.1f%%',
          shadow=True, startangle=90)
  ax1.axis('equal')

  plt.show()


def gender_salary(dataFrame):
  row_data = dataFrame.loc[:, ['gender', 'salary']]
  select = (row_data['salary'] > 240000) & (row_data['salary'] < 360000)
  gender_salary = row_data[select]
  gender_ratio(gender_salary)
  gen_sal_proportion(gender_salary)
```

Final Result Call Each Function

```
gpa_salary(df)
gpa_salary_inc(df)
gender_salary(df)
```

⌐→