```
data
```

	sl_no	gender	ssc_p	ssc_b	hsc_p	hsc_b	hsc_s	degree_p	degree_t	workex	etest_p	specialisation	mba_p	status	salary
0	1	M	67.00	Others	91.00	Others	Commerce	58.00	Sci&Tech	No	55.0	Mkt&HR	58.80	Placed	270000.0
1	2	M	79.33	Central	78.33	Others	Science	77.48	Sci&Tech	Yes	86.5	Mkt&Fin	66.28	Placed	200000.0
2	3	M	65.00	Central	68.00	Central	Arts	64.00	Comm&Mgmt	No	75.0	Mkt&Fin	57.80	Placed	250000.0
3	4	M	56.00	Central	52.00	Central	Science	52.00	Sci&Tech	No	66.0	Mkt&HR	59.43	Not Placed	NaN
4	5	M	85.80	Central	73.60	Central	Commerce	73.30	Comm&Mgmt	No	96.8	Mkt&Fin	55.50	Placed	425000.0
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
210	211	M	80.60	Others	82.00	Others	Commerce	77.60	Comm&Mgmt	No	91.0	Mkt&Fin	74.49	Placed	400000.0
211	212	M	58.00	Others	60.00	Others	Science	72.00	Sci&Tech	No	74.0	Mkt&Fin	53.62	Placed	275000.0
212	213	M	67.00	Others	67.00	Others	Commerce	73.00	Comm&Mgmt	Yes	59.0	Mkt&Fin	69.72	Placed	295000.0
213	214	F	74.00	Others	66.00	Others	Commerce	58.00	Comm&Mgmt	No	70.0	Mkt&HR	60.23	Placed	204000.0
214	215	M	62.00	Central	58.00	Others	Science	53.00	Comm&Mgmt	No	89.0	Mkt&HR	60.22	Not Placed	NaN

215 rows × 15 columns

```python
print('='*50)
print("Describe data")
print('='*50)
print(data.describe())
```

```
==================================================
Describe data
==================================================
            sl_no        ssc_p        hsc_p     degree_p       etest_p       mba_p  \
count  215.000000   215.000000   215.000000   215.000000   215.000000  215.000000
mean   108.000000    67.303395    66.333163    66.370186    72.100558   62.278186
std     62.209324    10.827205    10.897509     7.358743    13.275956    5.833385
min      1.000000    40.890000    37.000000    50.000000    50.000000   51.210000
25%     54.500000    60.600000    60.900000    61.000000    60.000000   57.945000
50%    108.000000    67.000000    65.000000    66.000000    71.000000   62.000000
75%    161.500000    75.700000    73.000000    72.000000    83.500000   66.255000
max    215.000000    89.400000    97.700000    91.000000    98.000000   77.890000

              salary
count     148.000000
mean   288655.405405
std     93457.452420
min    200000.000000
25%    240000.000000
50%    265000.000000
75%    300000.000000
max    940000.000000
```
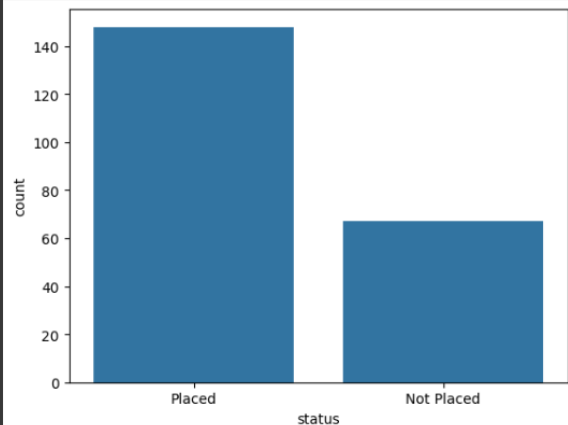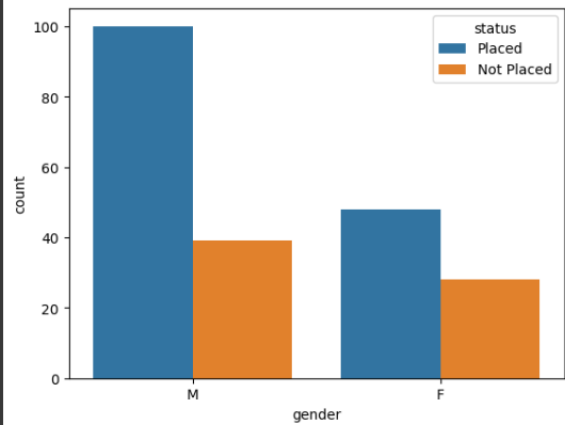
```python
sns.countplot(x='hsc_b', hue='status', data=data)
```

```
<Axes: xlabel='hsc_b', ylabel='count'>
```



```python
sns.catplot(y='etest_p', x='status', data=data)
plt.xlabel('Employment Status')
plt.ylabel('Employment Test %')
```

```
Text(30.570061728395068, 0.5, 'Employment Test %')
```



```python
sns.distplot(data['ssc_p'])
plt.title('Distribution of SSC Percentage')
plt.xlabel('SSC %')
```

```
<ipython-input-16-f814d30203d6>:1: UserWarning:

`distplot` is a deprecated function and will be removed in seaborn v0.14.0.

Please adapt your code to use either `displot` (a figure-level function with
similar flexibility) or `histplot` (an axes-level function for histograms).

For a guide to updating your code to use the new functions, please see
https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751

  sns.distplot(data['ssc_p'])
Text(0.5, 0, 'SSC %')
```

```
[10] sns.countplot( data=data,x=data['status'])
```
`<Axes: xlabel='status', ylabel='count'>`
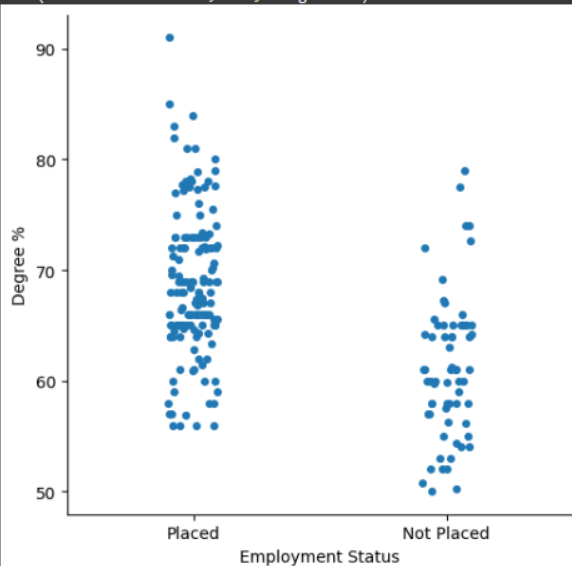


```
sns.countplot(x='gender', hue='status', data=data)
```
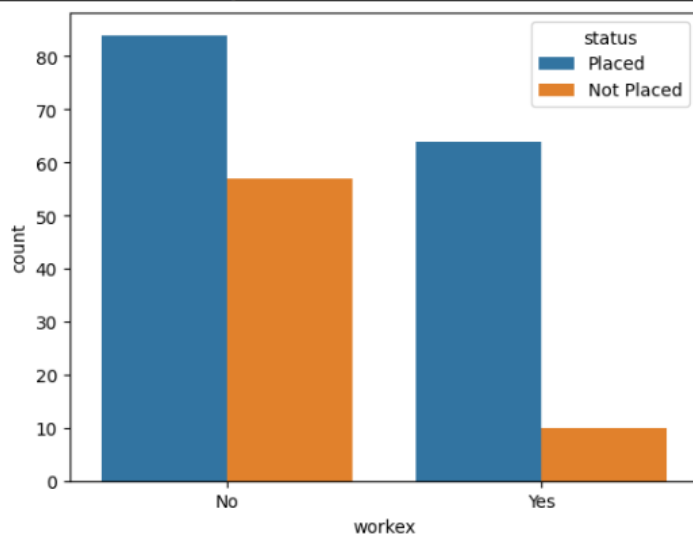`<Axes: xlabel='gender', ylabel='count'>`


```
sns.catplot(y='degree_p', x='status', data=data)
plt.xlabel('Employment Status')
plt.ylabel('Degree %')
```
`Text(30.519367283950622, 0.5, 'Degree %')`


```
sns.countplot(x='workex', hue='status', data=data)
```
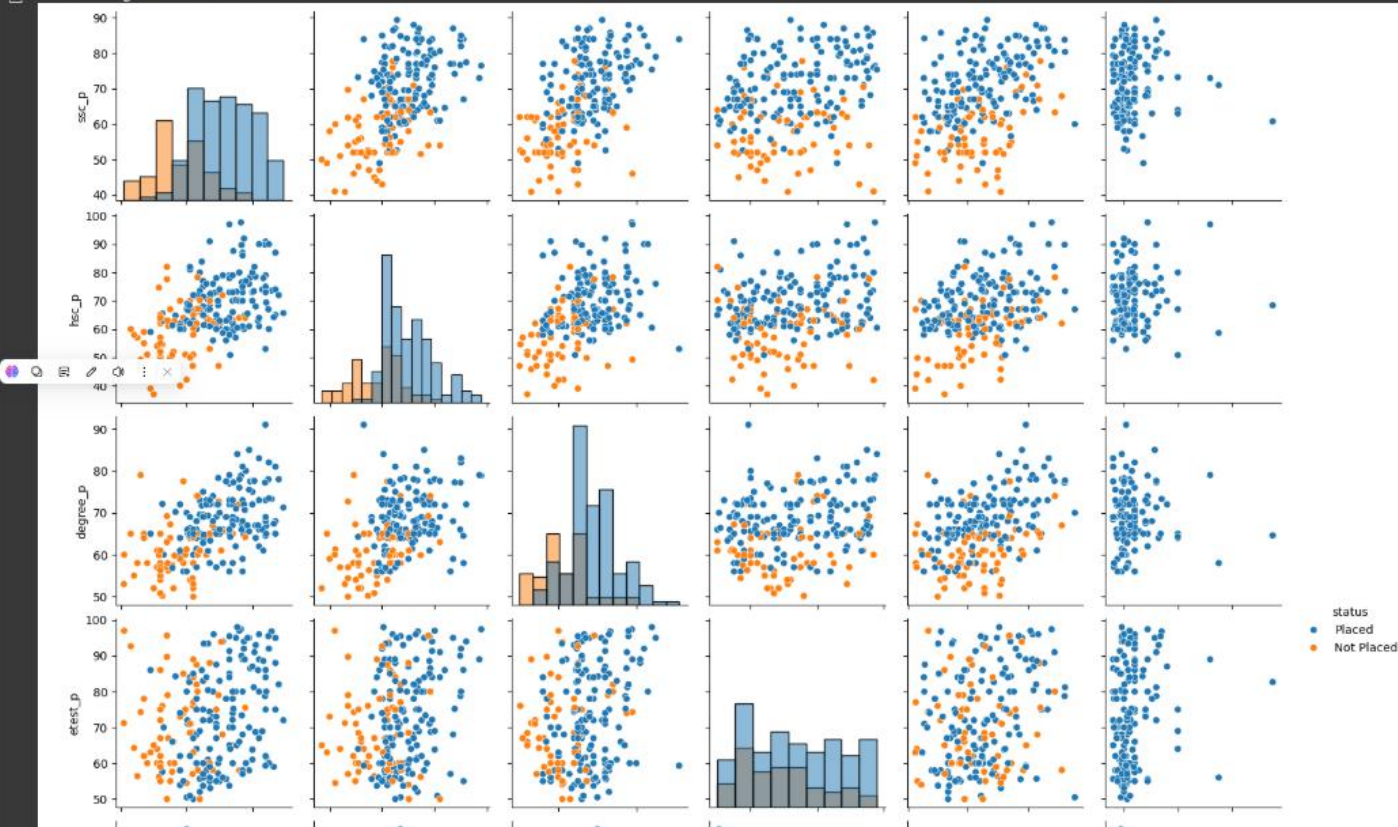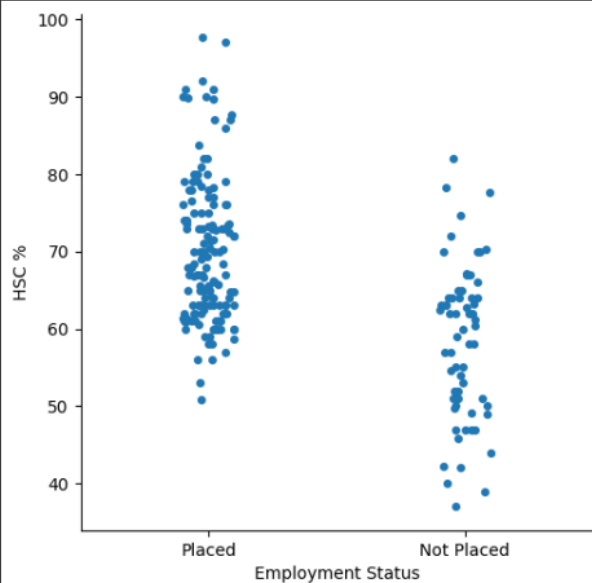`<Axes: xlabel='workex', ylabel='count'>`


```
sns.pairplot(data=data[['ssc_p','hsc_p','degree_p', 'etest_p','mba_p','salary', 'status']], hue="status", diag_kind='hist')
```
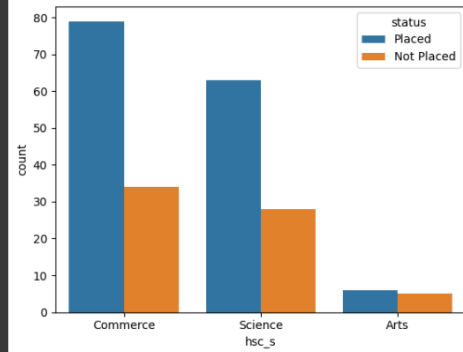`<seaborn.axisgrid.PairGrid at 0x7dc3d99a4c50>`

```
sns.catplot(y='hsc_p', x='status', data=data)
plt.xlabel('Employment Status')
plt.ylabel('HSC %')
```

```
Text(30.71381172839505, 0.5, 'HSC %')
```



```
sns.countplot(x='hsc_s', hue='status', data=data)
```

```
<Axes: xlabel='hsc_s', ylabel='count'>
```



```
sns.distplot(data['etest_p'], kde=False)
plt.title('Distribution of MBA Percentage')
plt.xlabel('Employment Test %')
```
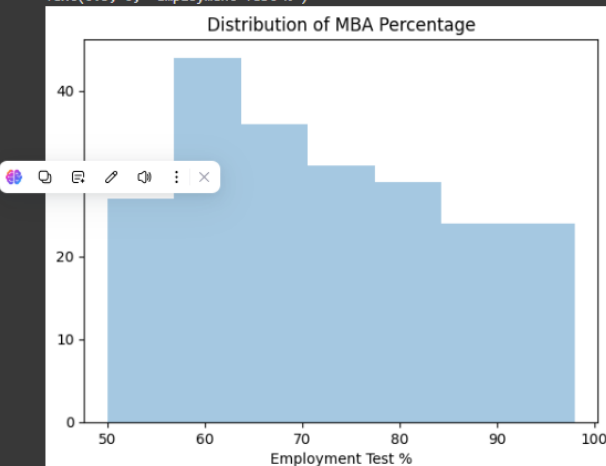
```
<ipython-input-45-fb84975802b2>:1: UserWarning:

`distplot` is a deprecated function and will be removed in seaborn v0.14.0.

Please adapt your code to use either `displot` (a figure-level function with
similar flexibility) or `histplot` (an axes-level function for histograms).

For a guide to updating your code to use the new functions, please see
https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751

  sns.distplot(data['etest_p'], kde=False)
Text(0.5, 0, 'Employment Test %')
```
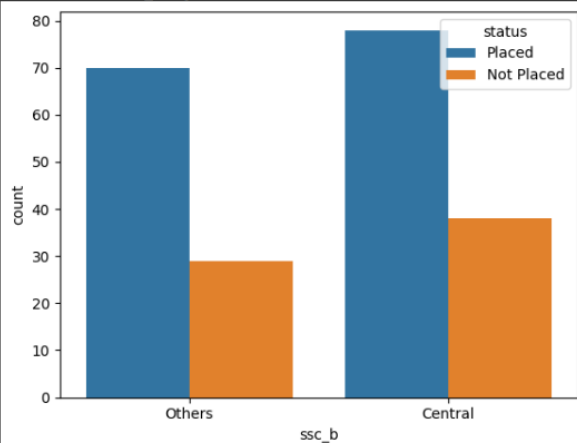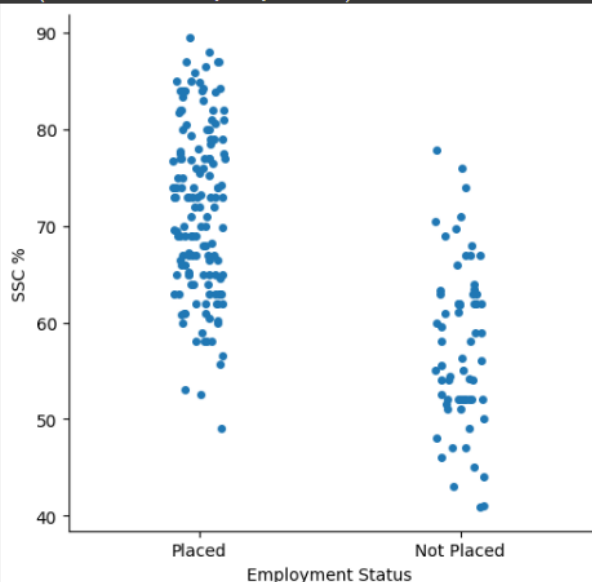


```
sns.countplot(x='ssc_b', hue='status', data=data)
```

```
<Axes: xlabel='ssc_b', ylabel='count'>
```



```
sns.catplot(y='ssc_p', x='status', data=data)
plt.xlabel('Employment Status')
plt.ylabel('SSC %')
```

```
Text(30.375617283950618, 0.5, 'SSC %')
```



```
sns.distplot(data['degree_p'], kde=False)
plt.title('Distribution of Degree Percentage')
plt.xlabel('Degree %')
```

```
<ipython-input-36-2f9bcb03ee09>:1: UserWarning:

`distplot` is a deprecated function and will be removed in seaborn v0.14.

Please adapt your code to use either `displot` (a figure-level function
similar flexibility) or `histplot` (an axes-level function for histogram

For a guide to updating your code to use the new functions, please see
https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751

  sns.distplot(data['degree_p'], kde=False)
Text(0.5, 0, 'Degree %')
```