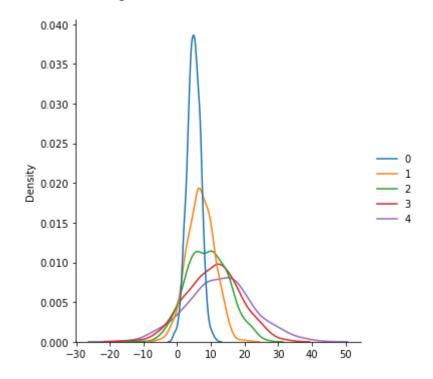
```
In [2]: ▶ # import what you need for numerical arrays and pretty plots
            import numpy as np
            import matplotlib.pyplot as plt
            import pandas as pd
            import seaborn as sns
In [3]: 

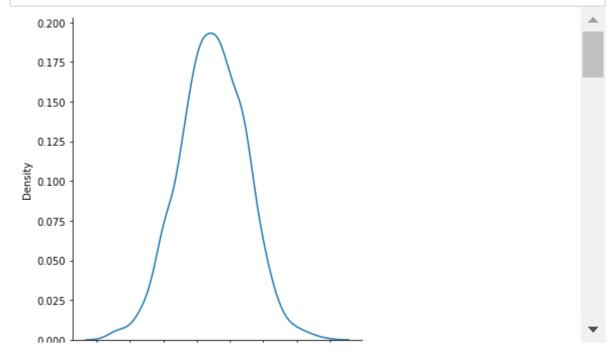
# create arrays for your means and SDs values
            distMeans = [5, 7, 9, 11, 13]
            distStd = [2, 4, 6, 8, 10]
            dist1Array = [5, 2]
            dist2Array = [7, 4]
            dist3Array = [9, 6]
            dist4Array = [11, 8]
            dist5Array = [13, 10]
In [4]:
         # create the distributions and store them
            # into a single numpy array 'dist'
            nData = 1000
            dist = np.zeros((nData, 5))
            numOfMeans = len(distMeans)
            for i in range(numOfMeans):
                dist[:,i] = distMeans[i] + np.random.randn(nData)*distStd[i]
            np.mean(dist, axis=0)
```

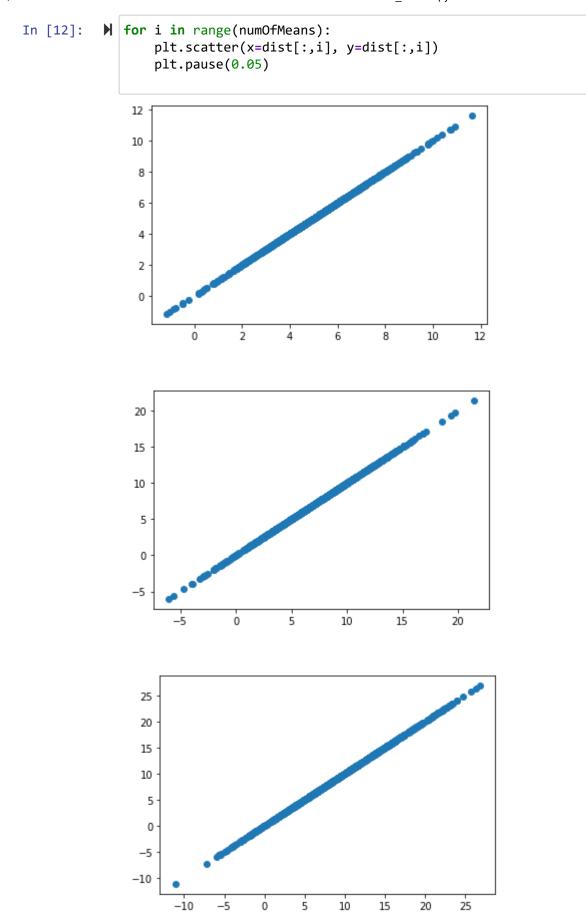
Out[4]: array([4.95105759, 6.98100081, 9.07740744, 10.7259736 , 12.72799456])

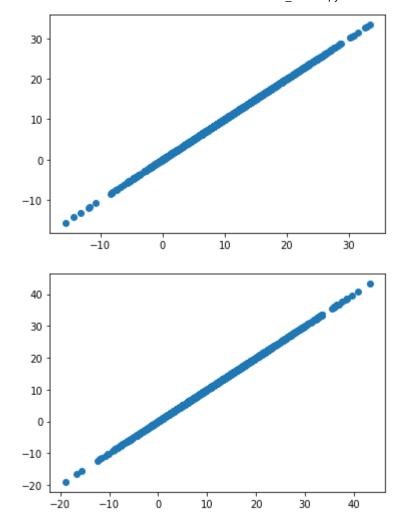
```
In [5]: ▶ sns.displot(dist, kind='kde')
```

Out[5]: <seaborn.axisgrid.FacetGrid at 0x1ba87c3fcd0>









In []: ▶