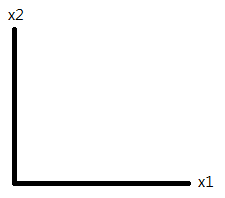
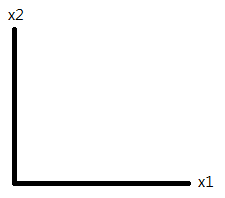
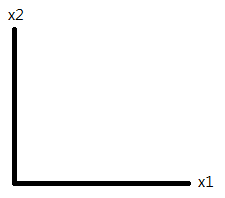
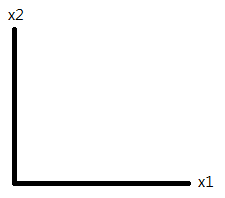
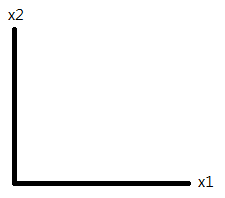
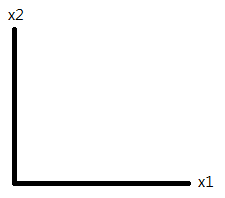
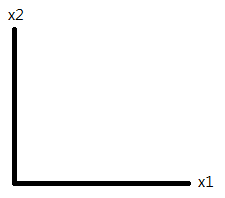
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1. Let *x* = [ 1.8, 3.1, 3.6, 4.2, 4.3]. Draw a line plot.
2. Let x1 = [ 1.8, 3.1, 3.6, 4.2, 4.3], x2 = [ 12, 15, 5, 8.7, 6.3 ]. Draw a scatter plot.
3. Let x1 = [ 1.8, 3.1, 3.6, 4.2, 4.3], x2 = [ 12, 15, 5, 8.7, 6.3 ]. *y* = [ 1, 1, 0, 0, 0]. Draw a scatter plot with different colors.



1. Let x1 = [ 1.8, 3.1, 3.6, 4.2, 4.3], x2 = [ 12, 15, 5, 8.7, 6.3 ]. Draw an animated scatter plot. Every loop displays x1[i] and x2[i] at a time.
2. *x* = [[1.8, 3.1, 3.6, 4.2, 4.3], […], […],[…], […], […]]. Draw subplots.

|  |
| --- |
| import pandas as pd |
| df = pd.read\_csv('csv test1.csv') |
| df[3:9] |
|  |
| df[‘X’] |
| df[['X', 'Y']] |
|  |
| df.ix[3:9, ['X', 'Y']] |
|  |
|  |
| df = pd.read\_csv(fname\_with\_path,usecols=[1, 2, 3]) |
| df.shape |
| lst = df[[' AccX', 'AccY', 'AccZ']].values.tolist() |
| os.listdir(Test\_DIR) |
| for fname in os.listdir(Train\_DIR):  if fname.endswith(".csv"):  fname\_with\_path = Train\_DIR + '/' + fname  df = pd.read\_csv(fname\_with\_path,usecols=[1, 2, 3])  lst = df[['AccX', 'AccY', 'AccZ']].values.tolist()  … |
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