print("Coconut : print("Apple : {6 print("Papaya : {6 print("Muskmelon print("Grapes : {6 print("Watermelon print("Kidney Bea print("Mung Beans print("Oranges : print("Chick Peas print("Lentils : print("Cotton : {6 print("Maize : {6 print("Maize : {6 print("Mango : {6 print("Pigeon Pea print("Pomegranat print("Coffee : { # lets make this funt @interact def compare(condition print("Crops whice print("C	.2f)".format(data[(data['label'] == 'rice')][conditions].mean())) s: {8: .2f}".format(data[(data['label'] == 'blackgram'][conditions].mean())) s: {8: .2f}".format(data[(data['label'] == 'blackgram'][conditions].mean())) ?2f)".format(data[(data['label'] == 'jute'][conditions].mean())) ?2f)".format(data[(data['label'] == 'coconut')][conditions].mean())) ?2f)".format(data[(data['label'] == 'coconut')][conditions].mean())) ?2f)".format(data[(data['label'] == 'papaya')][conditions].mean())) ?2f)".format(data[(data['label'] == 'papaya')][conditions].mean())) ?2f)".format(data[(data['label'] == 'grapes')][conditions].mean())) ?2f)".format(data[(data['label'] == 'watermelon'][conditions].mean())) ?2f)".format(data[(data['label'] == 'watermelon'][conditions].mean())) ?2f)".format(data[(data['label'] == 'windenan'][conditions].mean())) ?2f)".format(data[(data['label'] == 'range')][conditions].mean())) ?2f)".format(data[(data['label'] == 'cange')][conditions].mean())) ?2f)".format(data[(data['label'] == 'cotton'][conditions].mean())) ?2f)".format(data[(data['label'] == 'maine')][conditions].mean())) ?2f)".format(data[(data['label'] == 'maine')][conditions].mean())) ?2f)".format(data[(data['label'] == 'maine')][conditions].mean())) ?2f)".format(data[(data['label'] == 'montheans'][conditions].mean())) ?2f)".format(data[(data['label'] == 'montheans'][conditions].mean()) ?2f)".format(data[(data['label'] == '	
plt.rcParams['figure. plt.subplot(2, 4, 1) sns.distplot(data['N' plt.xlabel('Ratio of plt.grid() plt.subplot(2, 4, 2) sns.distplot(data['P' plt.xlabel('Ratio of plt.grid() plt.subplot(2, 4, 3) sns.distplot(data['K' plt.xlabel('Ratio of plt.grid() plt.subplot(2, 4, 4) sns.distplot(data['te plt.xlabel('Temperatu plt.grid() plt.subplot(2, 4, 5) sns.distplot(data['ra plt.xlabel('Rainfall' plt.grid() plt.subplot(2, 4, 6) sns.distplot(data['hu plt.xlabel('Humidity' plt.grid() plt.subplot(2, 4, 7) sns.distplot(data['ph plt.xlabel('ph Level' plt.grid()	rigsize'] = (15, 7) , color = 'lightgrey') litrogen', fontsize = 12) , color = 'skyblue')	
C:\Users\digvi\anacondour code to use either warnings.warn(msg, FC:\Users\digvi\anacondour code	asNibisite-packages\seaborn\distributions.py:2619: FutureWarning: 'distplot' is a deprecated function and will be remove 'displot' (a figure-level function with similar flexibility) or 'histplot' (an axes-level function for histograms). asNibisite-packages\seaborn\distributions.py:2619: FutureWarning: 'distplot' (an axes-level function and will be remove 'displot' (a figure-level function with similar flexibility) or 'histplot' (an axes-level function for histograms). asNibisite-packages\seaborn\distributions.py:2619: FutureWarning: 'distplot' is a deprecated function and will be remove 'displot' (a figure-level function with similar flexibility) or 'histplot' (an axes-level function for histograms). asNibisite-packages\seaborn\distributions.py:2619: FutureWarning: 'distplot' is a deprecated function and will be remove 'displot' (a figure-level function with similar flexibility) or 'histplot' (an axes-level function for histograms). asNibisite-packages\seaborn\distributions.py:2619: FutureWarning: 'distplot' is a deprecated function and will be remove 'displot' (a figure-level function with similar flexibility) or 'histplot' (an axes-level function for histograms). asVibisite-packages\seaborn\distributions.py:2619: FutureWarning: 'distplot' is a deprecated function and will be remove 'displot' (a figure-level function with similar flexibility) or 'histplot' (an axes-level function for histograms). asVibisite-packages\seaborn\distributions.py:2619: FutureWarning: 'distplot' is a deprecated function for histograms). asVibisite-packages\seaborn\distributions or Agricultural Conditions	d in a future version. Plead
## Lets find out some print("Some Interestic print("Crops which reprint("Crops which requires which require	200 300 0.00 0 50 100 0.0 5.0 7.5 10.0 pH Level Interesting Facts In	
### Lets understand was print("Summer Crops") print(data[(data['temprint("	ary High pH: ['mothbeans'] mich crops can only be Grown in Summer Season, Winter Season and Rainy Season perature'] > 30) & (data['humidity'] > 50)]['label'].unique()) merature'] < 20) & (data['humidity'] > 30)]['label'].unique()) mfall'] > 200) & (data['humidity'] > 30)]['label'].unique()) ms' 'blackgram' 'mango' 'grapes' 'orange' 'papaya'] "lentil' 'pomegranate' 'grapes' 'orange'] mut'] rops mings library so that we can avoid warnings ps('ignore') miding score, and Annual Income Columns from the Data P','K','temperature','ph','humidity','rainfall']].values	
<pre>1 85.0 58.0 41.0 21.7704 2 60.0 55.0 44.0 23.0044 3 74.0 35.0 40.0 26.4910 4 78.0 42.0 42.0 20.1303 # lets determine the from sklearn.cluster plt.rcParams['figure. wcss = [] for i in range(1, 11) km = KMeans(n_clu km.fit(x) wcss.append(km.in # lets plot the resul plt.plot(range(1, 11) plt.title('The Elbow plt.xlabel('No. of Cl plt.ylabel('wcss')</pre>	3	
<pre>km = KMeans(n_cluster y_means = km.fit_pred # lets find out the R a = data['label'] y_means = pd.DataFram z = pd.concat([y_mean</pre>	esults	
# lets check the Clus	s, a], axis = 1) = {0: 'cluster'}) ters of each Crops	
# lets check the Cluster print("Lets check the print("Crops in First print("	<pre>a, al, axis = 1)</pre>	
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# lets check the Clus print("Lets check the print("Crops in First print("Crops in First print("Crops in Secon print("Crops in Third print("Crops in Third print("Crops in Forth Lets check the Results Crops in First Cluster 'blackgram' 'lentil' Crops in Second Cluster 'blackgram' 'lentil' Crops in Forth Cluster Crops in Third Cluster Crops in Forth Cluster Visualizing the Hidd ### Data Visualization plt.rcParams['figure. plt.subplot(2, 4, 1) sns.barplot(data['N'] plt.ylabel('') plt.xlabel('Ratio of plt.yticks(fontsize = plt.subplot(2, 4, 2) sns.barplot(data['P'] plt.ylabel('') plt.xlabel('Ratio of plt.yticks(fontsize = plt.subplot(2, 4, 3) sns.barplot(data['K'] plt.ylabel('') plt.xlabel('Ratio of plt.yticks(fontsize = plt.subplot(2, 4, 4) sns.barplot(data['tem plt.ylabel('') plt.xlabel('Humidity' plt.xlabel('Humidity' plt.ylabel('') plt.xlabel('Humidity' plt.ylabel('') plt.xlabel('Humidity' plt.ylabel('') plt.xlabel('Humidity' plt.ylabel('') plt.xlabel('Phof Soi plt.yticks(fontsize = plt.subplot(2, 4, 6) sns.barplot(data['rai plt.ylabel('') plt.xlabel('Phof Soi plt.yticks(fontsize = plt.subplot(2, 4, 7) sns.barplot(data['rai plt.ylabel('') plt.xlabel('Rainfall' plt.yticks(fontsize = plt.subplot(2, 4, 7) sns.barplot(data['rai plt.ylabel('') plt.xlabel('Rainfall' plt.yticks(fontsize = plt.subplot(2, 4, 7) sns.barplot(data['rai plt.ylabel('') plt.xlabel('Rainfall' plt.yticks(fontsize = plt.subplot(2, 4, 7) sns.barplot(data['rai plt.ylabel('') plt.xlabel('Yisuali plt.ylabel('')) plt.xlabel('Yisuali pomegranate banana mango grapes water bon and banana mango grapes wate	Transfer Section Secti	
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