Data Analytics Assignment 1
[Date: 24 Jan21]
Marks-15

Transform crop production dataset into following format

State Name	District_Name	Crop_Year1				Crop_Year2				….
			Crop	Area	Production		Crop	Area	Production	
S	A	Kahrif				Kahrif				
		Rabbi				Rabbi				
		Wholyear				Wholyear				

- **Slice the transform dataset in two different dataframe**
  - **df1= data[:50%]**
  - **df2=data[51%:]**
- **Find the count of NaN values attribute(feature) wise in both dataframes**
- **Use 'ffill' to replace NaN values in Df1**
- **Use 'bfill' to replace NaN values in Df2**
- **Find the mean value of every attribute and replace with NaN in df1**
- **Find the median value of every attribute and replace with NaN in df2**
- **Find correlation in df1, df2 and visualize it**
- **Convert df1 into Min Max normalized format.**
- **Convert df2 into standardization format.**