



AIM:

PROCEDURE:

Step 1 : Start Ms Excel application in Ms- office.

Step 2 : Create a datasheet for student marks in Ms Excel application.

Step 3 : If you haven't already installed the PrimaXL Addin, install it. Click the
PrimaXL tab , choose missing

Step 4 : In the Input Range we select marks of all subjects with missing values and
select the Choice as “filling of the missing data by taking average” or ”
filling of the missing data by random pick”.

Step 5: Then select the Output Range where you want the output to be stored.

If you specify the output range it will throw output in the new worksheet.

Step 6 : Then select the Output Range where you want the output to be stored.

If you don't specify the output range it will throw output in the
new worksheet.

Step 7 : When you click Ok, you will see the result in the selected output range.

Step 8: Save the excel file and Close the Ms Excel application.



OUTPUT:

Filling of the Missing Data

Input and Specification

Data Range : 'Sheet1!\$E\$6:\$J\$11'

Choice : Average of the existing data samples

Output

Output to : 'Sheet1!\$B\$16'

Output to a new sheet : ☐ Show in red : ☐

Run Exit Reset

Handling Missing Data								
S.No	Reg.No	Name Of The Student	Computer Network	Buisness Analatics	Frontend Development	Embedded And IOT	UI/UX	Distributed Computing
1	101	Arun	95	90	87	82	91	86
2	102	Benjamin		87	88	79	93	90
3	103	Charlie	91	91		81	88	92
4	104	Darwin	97	88	82	86	90	
5	105	Elan Musk	92		86		87	93
6	106	Francis	94	92	90	88		88

FILLING OF THE MISSING DATA BY TAKING AVERAGE					
95	90	87	82	91	86
93.8	87	88	79	93	90
91	91	86.6	81	88	92
97	88	82	86	90	89.8
92	89.6	86	83.2	87	93
94	92	90	88	89.8	88

RESULT :



AIM:

PROCEDURE:

- Step 1 : Start Ms Excel application in Ms- office.
- Step 2 : Open XLSTAT . Select the XLSTAT / Analyzing data / Principal components analysis command. The Principal Component Analysis dialog box will appear.
- Step 3 : Select the data on the Excel sheet.
- Step 4 : Select Observations/variables in the Data format field because of the format of the input data and Select Correlation in the PCA type field.
- Step 5: In the Outputs tab, activate the option to display significant correlations in bold characters (Test significancy).
- Step 6 : In the Charts tab, in order to display the labels on all charts, and to display the observations (observations charts and biplots), uncheck the filtering option.
- Step 7 : If there is a lot of data, displaying the labels might slow down the global display of the results. Displaying all the observations might make the results unreadable. In these cases, filtering the observations to display is recommended
- Step 8: Click OK to launch the computations.
- Step 9 : Save the excel file and Close the Ms Excel application.



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OUTPUT:

S.NO	REG.NO	NAME	DC	NORMALIZATION
1	23IT01	Aadhi na	67	0.468085106
2	23IT02	Amal	92	1
3	23IT03	Jenish	83	0.808510638
4	23IT04	Joshua	77	0.680851064
5	23IT05	Alwin	78	0.70212766
6	23IT06	Jose	76	0.659574468
7	23IT07	Vasan	56	0.234042553
8	23IT08	Sam	86	0.872340426
9	23IT09	Laz	45	0
10	23IT10	Ben	51	0.127659574
MAX				92
MIN				45
DIFFERENCE				47

RESULT: