

Name: Zeenat

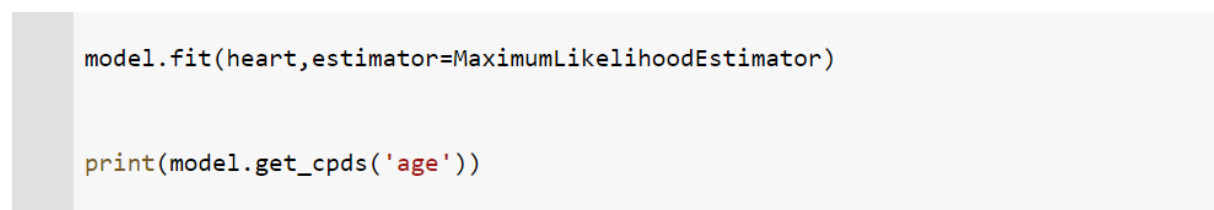
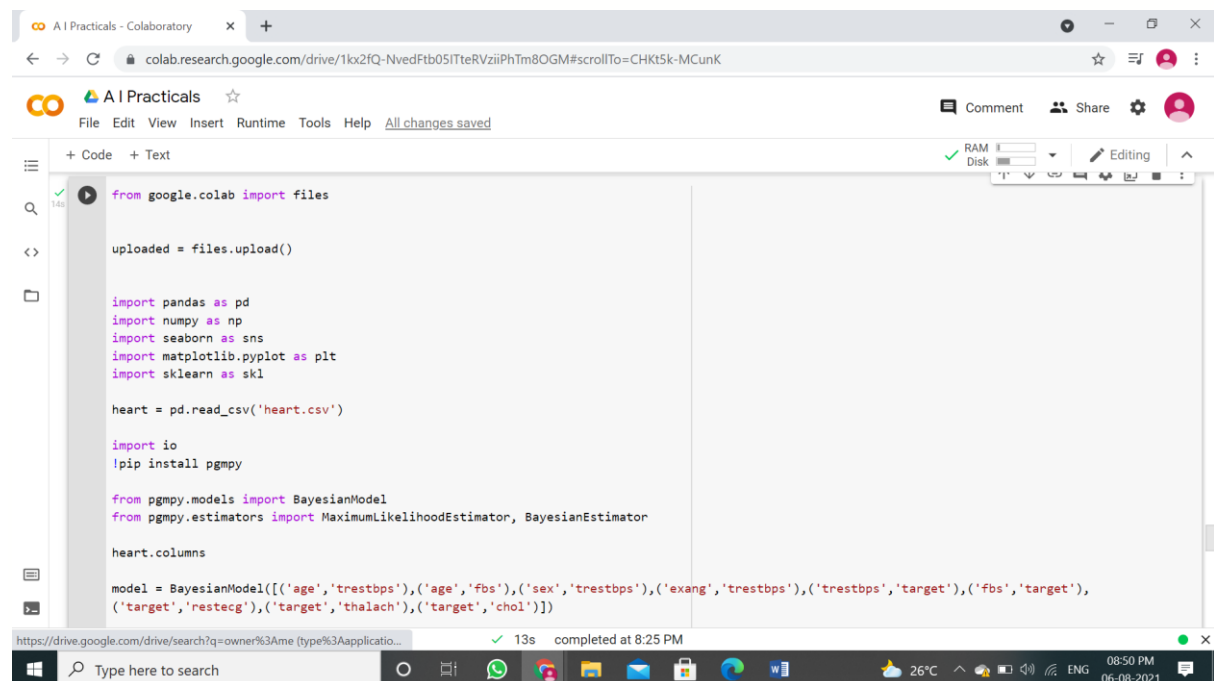
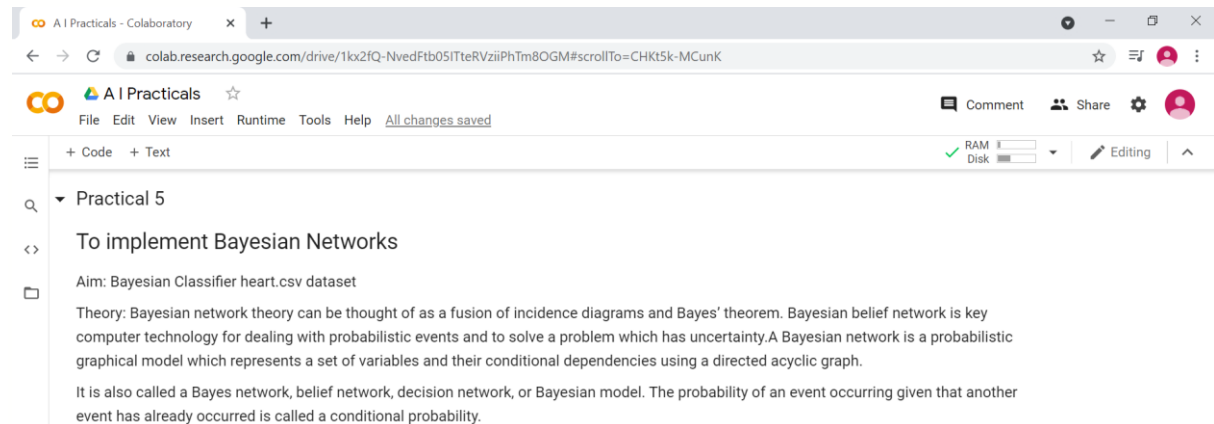
Class: TYIT

Roll no: 578

Practical 5

Google colab link: https://colab.research.google.com/drive/1kx2fQ-NvedFtb05ITteRVziiPhTm8OGM#scrollTo=cpb_f_2SDYct

Aim: Bayesian Classifier heart.csv dataset



Output:

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Choose Files heart.csv
• heart.csv(application/vnd.ms-excel) - 11328 bytes, last modified: 8/6/2021 - 100% done
Saving heart.csv to heart (1).csv
Requirement already satisfied: pgmpy in /usr/local/lib/python3.7/dist-packages (0.1.15)
Requirement already satisfied: networkx in /usr/local/lib/python3.7/dist-packages (from pgmpy) (2.5.1)
Requirement already satisfied: scipy in /usr/local/lib/python3.7/dist-packages (from pgmpy) (1.4.1)
Requirement already satisfied: scikit-learn in /usr/local/lib/python3.7/dist-packages (from pgmpy) (0.22.2.post1)
Requirement already satisfied: statsmodels in /usr/local/lib/python3.7/dist-packages (from pgmpy) (0.10.2)
Requirement already satisfied: pandas in /usr/local/lib/python3.7/dist-packages (from pgmpy) (1.1.5)
Requirement already satisfied: pyparsing in /usr/local/lib/python3.7/dist-packages (from pgmpy) (2.4.7)
Requirement already satisfied: numpy in /usr/local/lib/python3.7/dist-packages (from pgmpy) (1.19.5)
Requirement already satisfied: torch in /usr/local/lib/python3.7/dist-packages (from pgmpy) (1.9.0+cu102)
Requirement already satisfied: tqdm in /usr/local/lib/python3.7/dist-packages (from pgmpy) (4.41.1)
Requirement already satisfied: joblib in /usr/local/lib/python3.7/dist-packages (from pgmpy) (1.0.1)
Requirement already satisfied: decorator<5,>=4.3 in /usr/local/lib/python3.7/dist-packages (from networkx->pgmpy) (4.4.2)
Requirement already satisfied: pytz>=2017.2 in /usr/local/lib/python3.7/dist-packages (from pandas->pgmpy) (2018.9)
Requirement already satisfied: python-dateutil>=2.7.3 in /usr/local/lib/python3.7/dist-packages (from pandas->pgmpy) (2.8.1)
Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.7/dist-packages (from python-dateutil>=2.7.3->pandas->pgmpy) (1.15.0)
Requirement already satisfied: patsy>=0.4.0 in /usr/local/lib/python3.7/dist-packages (from statsmodels->pgmpy) (0.5.1)
Requirement already satisfied: typing-extensions in /usr/local/lib/python3.7/dist-packages (from torch->pgmpy) (3.7.4.3)
+-----+
| age(29) | 0.00330033 |
+-----+
| age(34) | 0.00660066 |
+-----+
```

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age(37)	0.00660066
age(38)	0.00990099
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age(41)	0.0330033
age(42)	0.0264026
age(43)	0.0264026
age(44)	0.0363036
age(45)	0.0264026
age(46)	0.0231023
age(47)	0.0165017
age(48)	0.0231023

AI Practicals - Colaboratory

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13s

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age(51)	0.039604
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age(55)	0.0264026
age(56)	0.0363036
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age(58)	0.0627063
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age(61)	0.0264026
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13s

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age(74)	0.00330033
age(76)	0.00330033
age(77)	0.00330033

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