In [1]:

```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
%matplotlib inline
```

In [2]:

```
pd.__version__
```

Out[2]:

'1.0.1'

In [3]:

```
data = pd.read_csv('E:/fahmi/uas_mining/no4/dataset_soal No. 4.txt', delimiter=',')
```

In [4]:

data

Out[4]:

	Usia	Kelahiran_ke-	Waktu_Kelahiran	Tekanan_darah	Kelainan_jantung	Caesarian
0	22	1	0	2	0	0
1	26	2	0	1	0	1
2	26	2	1	1	0	0
3	28	1	0	2	0	0
4	22	2	0	1	0	1
75	27	2	1	1	0	0
76	33	4	0	1	0	1
77	29	2	1	2	0	1
78	25	1	2	0	0	1
79	24	2	2	1	0	0

80 rows × 6 columns

In [6]:

In [7]:

```
data['dis'] = dis
data
```

Out[7]:

	USIA	Kelalillali_ke-	waktu_Kelaliliali	Tekanan_uaran	Kelailiali_jalituliy	Caesarian	uis
0	22	1	0	2	0	0	8.062258
1	26	2	0	1	0	1	4.123106
2	26	2	1	1	0	0	4.242641
3	28	1	0	2	0	0	2.236068
1	22	2	۸	4	٥	- 4	0.000050

4	Usia	Kelahiran_ke-	Waktu_Kelahiran	Tekanan_darah	Kelainan_jantung	Caesarian	6.062236 dis
	•••	***	***	***	***	•••	•••
75	27	2	1	1	0	0	3.316625
76	33	4	0	1	0	1	4.242641
77	29	2	1	2	0	1	2.000000
78	25	1	2	0	0	1	5.477226
79	24	2	2	1	0	0	6.403124

80 rows × 7 columns

In [9]:

data.sort_values('dis')

Out[9]:

	Usia	Kelahiran_ke-	Waktu_Kelahiran	Tekanan_darah	Kelainan_jantung	Caesarian	dis
27	30	1	0	1	0	0	0.000000
38	31	1	0	1	0	0	1.000000
67	29	2	0	1	1	0	1.414214
54	29	2	0	1	1	1	1.414214
59	30	2	1	2	1	1	1.732051
41	19	1	0	1	0	1	11.000000
61	19	1	0	1	0	1	11.000000
25	18	1	0	1	0	0	12.000000
26	18	1	1	2	1	1	12.083046
70	17	1	0	0	0	1	13.038405

80 rows × 7 columns

In [10]:

y = data.sort_values('dis').head(5) y

Out[10]:

	Usia	Kelahiran_ke-	Waktu_Kelahiran	Tekanan_darah	Kelainan_jantung	Caesarian	dis
27	30	1	0	1	0	0	0.000000
38	31	1	0	1	0	0	1.000000
67	29	2	0	1	1	0	1.414214
54	29	2	0	1	1	1	1.414214
59	30	2	1	2	1	1	1.732051

In [11]:

z = y["Caesarian"] z

Out[11]:

27 0

38 0

67 0

54 1

59 1

Name: Caesarian, dtype: int64

In [12]:

np.mean(z)

14]:		
a.to_excel('E:/fahmi/uas_mining/no4/KNN_Nomer4a.xls')		
]:		
1.		

Out[12]: