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AQ 11: Activity Question 11 - Not Graded
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Graded Assignment 3

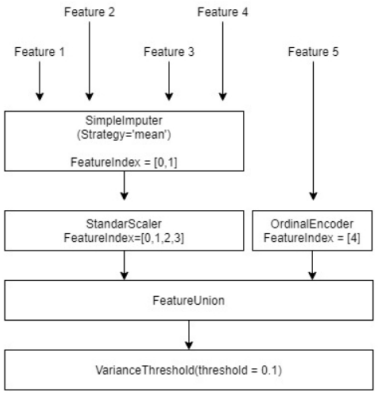
The due date for submitting this assignment has passed.
Due on 2024-02-11, 23:59 IST.

You may submit any number of times before the due date. The final submission will be considered for grading.

You have last submitted on: 2024-02-09, 22:23 IST

It is mandatory to use sklearn.__version__ = 1.2.2 for solving all the questions
Instructions:
For all the questions below, use dataset from following link: https://drive.google.com/file/d/1IvvHj0v9LKwe6XUezgpIUY_c0HdJUcCb/view?usp=sharing

1) How many features remain after applying following pipeline to the feature matrix? ***1 point***



- 5
- 2
- 3
- 4

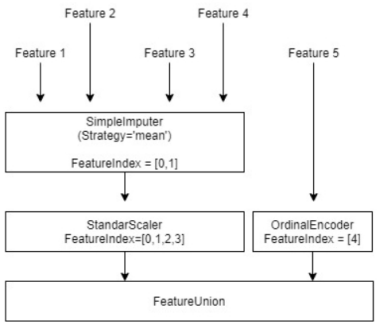
Yes, the answer is correct.
Score: 1

Accepted Answers:

4

2) What are the two most important features computed by RFE? ***1 point***

Preprocess the data using pipeline shown in the diagram. Use LogisticRegression (with default parameters) for the estimator. Encode target variable via ordinal encoding.



- [x] V1
- [ ] V2
- [x] V3
- [ ] V4

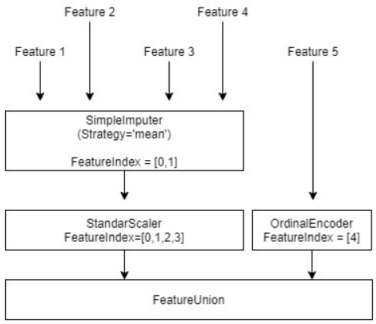
Yes, the answer is correct.
Score: 1

Accepted Answers:

V1
V3

3) What are the indices of two most important features computed by SFS (forward)? ***1 point***

Preprocess the data using pipeline shown in the diagram.Use LogisticRegression (with default parameters) for the estimator. Encode target variable via ordinal encoding.



- [ ] 0 (i.e. feature V1)
- [x] 1 (i.e. feature V2)
- [ ] 2 (i.e. feature V3)
- [x] 3 (i.e. feature V4)

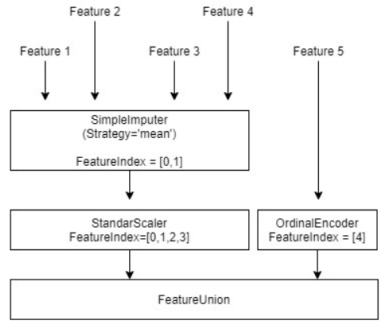
Yes, the answer is correct.
Score: 1

Accepted Answers:

1 (i.e. feature V2)
3 (i.e. feature V4)

4) What are the indices of two most important features computed by SFS (backward)? ***1 point***

Preprocess the data using pipeline shown in the diagram. Use LogisticRegression (with default parameters) for the estimator. Encode target variable via ordinal encoding.



- [ ] 0 (i.e. feature V1)
- [ ] 1 (i.e. feature V2)
- [x] 2 (i.e. feature V3)
- [x] 3 (i.e. feature V4)

Yes, the answer is correct.
Score: 1

Accepted Answers:

2 (i.e. feature V3)
3 (i.e. feature V4)