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Exam Professional Machine Learning Engineer All Questions
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📄 **EXAM PROFESSIONAL MACHINE LEARNING ENGINEER TOPIC 1 QUESTION 60 DISCUSSIO..**

Actual exam question from Google's Professional Machine Learning Engineer

Question #: 60

Topic #: 1

[All Professional Machine Learning Engineer Questions]

You work for a bank and are building a random forest model for fraud detection. You have a dataset that includes transactions, of which 1% are identified as fraudulent. Which data transformation strategy would likely improve the performance of your classifier?

A. Write your data in TFRecords.

B. Z-normalize all the numeric features.

C. Oversample the fraudulent transaction 10 times.

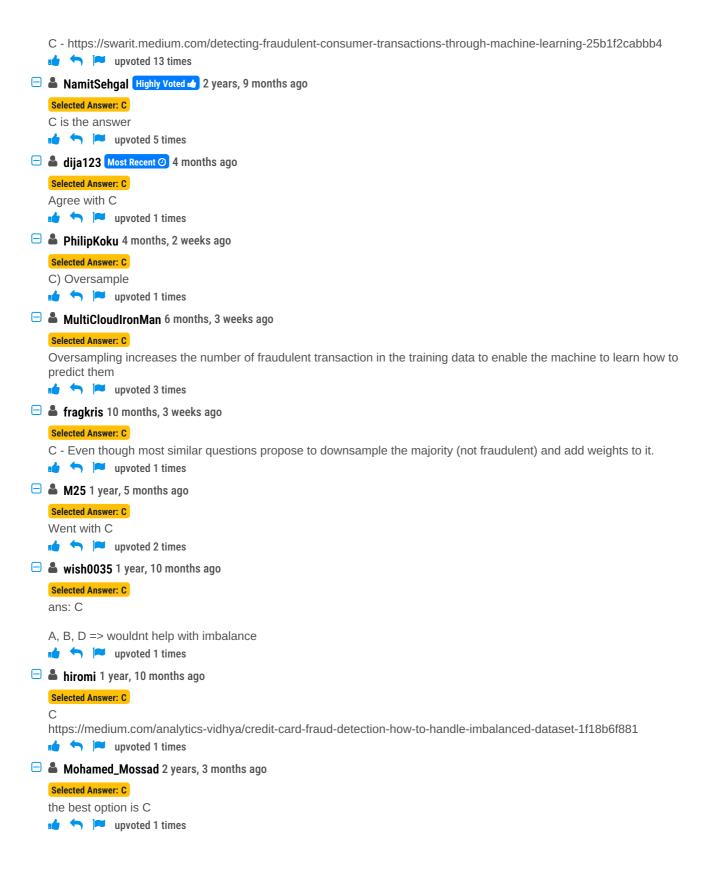D. Use one-hot encoding on all categorical features.

Show Suggested Answer

---

by 👤 ralf_cc at *July 10, 2021, 6:24 a.m.*

Comments

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⊟ 👤 **ralf_cc** 🔵 Highly Voted 👍 3 years, 3 months ago

C - https://swarit.medium.com/detecting-fraudulent-consumer-transactions-through-machine-learning-25b1f2cabbb4

👍 ↩ 🚩 upvoted 13 times

⊟ 👤 **NamitSehgal** `Highly Voted 👍` 2 years, 9 months ago

`Selected Answer: C`

C is the answer

👍 ↩ 🚩 upvoted 5 times

⊟ 👤 **dija123** `Most Recent ⊙` 4 months ago

`Selected Answer: C`

Agree with C

👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **PhilipKoku** 4 months, 2 weeks ago

`Selected Answer: C`

C) Oversample

👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **MultiCloudIronMan** 6 months, 3 weeks ago

`Selected Answer: C`

Oversampling increases the number of fraudulent transaction in the training data to enable the machine to learn how to predict them

👍 ↩ 🚩 upvoted 3 times

⊟ 👤 **fragkris** 10 months, 3 weeks ago

`Selected Answer: C`

C - Even though most similar questions propose to downsample the majority (not fraudulent) and add weights to it.

👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **M25** 1 year, 5 months ago

`Selected Answer: C`

Went with C

👍 ↩ 🚩 upvoted 2 times

⊟ 👤 **wish0035** 1 year, 10 months ago

`Selected Answer: C`

ans: C

A, B, D => wouldnt help with imbalance

👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **hiromi** 1 year, 10 months ago

`Selected Answer: C`

C

https://medium.com/analytics-vidhya/credit-card-fraud-detection-how-to-handle-imbalanced-dataset-1f18b6f881

👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **Mohamed_Mossad** 2 years, 3 months ago

`Selected Answer: C`

the best option is C

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