Midterm Economic Modelling and Simulation

Instructions

- Choose one and only one option
- Fill out the answers sheet: that and only that sheet will be graded
- You will need to return the question sheet, but whatever you write on it will be disregarded
- All questions are worth the same
- Correct answers are worth +1
- Wrong answers are worth -1
- If you are unsure about an answer, leave it blank and it will be worth zero

Questions

1. How would you measure the accuracy of a classification problem (e.g. diagnosing a disease) when using logistic regression?

- a) Dividing the true positives by the true negatives
- b) Dividing the true positives by the false positives
- c) Dividing the sum of the true positives and the true negatives by the total
- d) Dividing the sum of the false positives and the true negatives by the sum of the true negatives

2. Choose the right import statement of the 'car_crashes' dataset from the `seaborn` package:

- a)
```
import seaborn as sns
df = sns.load_dataset('car_crashes')
```
- b) `from seaborn import car_crashes`
- c)
```
import seaborn as pd
car_crashes = sns.get_dataset_names('pandas')
```
- d) `import diamonds from seaborn`

We will now work with a dataset called `diamonds`. It contains properties of diamonds such as the `depth`, the `price`, the `color`, etc.

3. In order to get the column names of the 'diamonds' dataset, the proper command is:

- a) `diamonds.columns`
- b) `diamonds.names`
- c) `diamonds.values`
- d) `diamonds[columns]`

Below you can find a sample of the `diamonds` dataset:

4.