✓ **Congratulations! You passed!**
TO PASS 75% or higher

Keep Learning

GRADE
100%

Applied Decision Trees Lab Results

LATEST SUBMISSION GRADE

100%

1.

`1 / 1 point`

How many distinct device ids are in the aggregated table?

- ○ 1000
- ○ 2000
- ● 3000
- ○ 4000

✓ **Correct**

2.

`1 / 1 point`

How many rows are in the training and test sets?

- ○ 2250, 200
- ○ 2000, 20
- ● 2250, 750
- ○ 750, 2250

✓ **Correct**

3.

`1 / 1 point`

What is the R2 score on the training and test set?

- ○ 1.0, 0.65
- ○ 0.99, 0.83
- ○ 0.985, 1.0
- ● 1.0, 0.985

✓ **Correct**

4.

`1 / 1 point`

What is the R2 score on the training and test set?

- ○ 1.0, 0.65
- ○ 0.99, 0.83
- ○ 0.896, 1.0
- ● 1.0, 0.896

✓ **Correct**

5.

`1 / 1 point`

Which value for `max_depth` gives the best R2 score on the test set, and what is the score?

- ○ 3, 0.909
- ● 5, 0.937
- ○ 9, 0.921

✓ **Correct**

6.

Which feature did the decision tree choose for most of the splits?

○ bmi

◉ avg_resting_heartrate

○ mse

○ avg_active_heartrate

✓ **Correct**

7.

How many samples are in the terminal node at the far left?

◉ 159

○ 467

○ 1487

○ 2250

✓ **Correct**

8.

What value would the decision tree predict for avg_vo2 if the avg_resting_heartrate is 60 and bmi is 22? (HINT: if a data point meets the criteria in the top row of each node, i.e. a "yes", follow the tree down to the left; if not, follow the tree down to the right.)

○ 25.621

◉ 35.608

○ 32.231

○ 43.985

✓ **Correct**