Originality report

COURSE NAME
BACS2003 Artificial Intelligence

STUDENT NAME
JING JET LEE

FILE NAME
JING JET LEE - Assignment

REPORT CREATED
May 4, 2023

Summary

Flagged passages	2	0.5%
Cited/quoted passages	12	2%

Web matches

kaggle.com	8	1%
machinelearningmastery.com	1	0.4%
iop.org	2	0.4%
vitalflux.com	1	0.3%
statcan.gc.ca	1	0.2%
lexjansen.com	1	0.2%

1 of 14 passages

Student passage FLAGGED

…prone to heart disease or not. This is because **it** will recognize whether the individual is **having any symptoms of heart disease such as high blood pressure**

Top web match

It recognizes who all are **having any symptoms of heart disease such as** chest pain or **high blood pressure** and can help in diagnosing disease with less medical tests and effective treatments, so that…

Heart disease prediction using machine learning ... - IOPscience https://iopscience.iop.org/article/10.1088/1757-899X/1022/1/012072/pdf

2 of 14 passages

Student passage QUOTED

…bar chart of the gender distribution inside the dataset. **The orange bar represents the number of** males **and the** purple **bar represents the number of** females in the dataset.

Top web match

The orange bar represents the number of boys, **and the** yellow **bar represents the number of** girls.

5.2 Bar chart - Statistique Canada https://www150.statcan.gc.ca/n1/edu/power-pouvoir/ch9/bargraph-diagrammeabarres/5214818-eng.htm

---

3 of 14 passages

Student passage QUOTED

Code to split data into train and test data

Top web match

Python **code to split data into train and test data**. Secondary decision tree model is built by DecisionTreeClassifier(), and model is learned by train. By.

How to let Machine Learn Clinical Data Review as it can Support ... https://www.lexjansen.com/pharmasug/2020/AI/PharmaSUG-2020-AI-224.pdf

---

4 of 14 passages

Student passage QUOTED

Roc Curve is used to **summarize the trade off between the true positive rate and false positive rate for** the **predictive model using different probability thresholds**

Top web match

ROC Curves **summarize the trade-off between the true positive rate and false positive rate for** a **predictive model using different probability thresholds**.

How to Use ROC Curves and Precision-Recall Curves for ... https://machinelearningmastery.com/roc-curves-and-precision-recall-curves-for-classification-in-python/

---

5 of 14 passages

Student passage QUOTED

“Congrat!!! **You have lower risk of getting a heart disease**!”

Top web match

else: st.success('**You have lower risk of getting a heart disease**!') st.sidebar.subheader("About App") st.sidebar.info("This web app is helps you to find out whether you are at a risk of developing a…

HealthApp | Kaggle https://www.kaggle.com/code/upamanyumukherjee/healthapp

---

6 of 14 passages

Student passage QUOTED

“Congrat!!! **You have lower risk of getting a heart disease**!”

Top web match

else: st.success('**You have lower risk of getting a heart disease**!') st.sidebar.subheader("About App") st.sidebar.info("This web app is helps you to find out whether you are at a risk of developing a…

HealthApp | Kaggle https://www.kaggle.com/code/upamanyumukherjee/healthapp

---

7 of 14 passages

Student passage QUOTED

“Congrat!!! **You have lower risk of getting a heart disease**!”

Top web match

else: st.success('**You have lower risk of getting a heart disease**!') st.sidebar.subheader("About App") st.sidebar.info("This web app is helps you to find out whether you are at a risk of developing a…

HealthApp | Kaggle https://www.kaggle.com/code/upamanyumukherjee/healthapp

---

8 of 14 passages

Student passage QUOTED

“Congrat!!! **You have lower risk of getting a heart disease**!”

Top web match

else: st.success('**You have lower risk of getting a heart disease**!') st.sidebar.subheader("About App") st.sidebar.info("This web app is helps you to find out whether you are at a risk of developing a…

HealthApp | Kaggle https://www.kaggle.com/code/upamanyumukherjee/healthapp

---

9 of 14 passages

Student passage QUOTED

“Congrat!!! **You have lower risk of getting a heart disease**!”

Top web match

else: st.success('**You have lower risk of getting a heart disease**!') st.sidebar.subheader("About App") st.sidebar.info("This web app is helps you to find out whether you are at a risk of developing a…

HealthApp | Kaggle https://www.kaggle.com/code/upamanyumukherjee/healthapp

---

10 of 14 passages

Student passage QUOTED

“Congrat!!! **You have lower risk of getting a heart disease**!”

Top web match

else: st.success('**You have lower risk of getting a heart disease**!') st.sidebar.subheader("About App") st.sidebar.info("This web app is helps you to find out whether you are at a risk of developing a…

HealthApp | Kaggle https://www.kaggle.com/code/upamanyumukherjee/healthapp

---

11 of 14 passages

Student passage QUOTED

“Congrat!!! **You have lower risk of getting a heart disease**!”

Top web match

else: st.success('**You have lower risk of getting a heart disease**!') st.sidebar.subheader("About App") st.sidebar.info("This web app is helps you to find out whether you are at a risk of developing a…

HealthApp | Kaggle https://www.kaggle.com/code/upamanyumukherjee/healthapp

---

12 of 14 passages

Student passage QUOTED

"Congrat!!! **You have lower risk of getting a heart disease**!"

Top web match

else: st.success('**You have lower risk of getting a heart disease**!') st.sidebar.subheader("About App") st.sidebar.info("This web app is helps you to find out whether you are at a risk of developing a…

HealthApp | Kaggle https://www.kaggle.com/code/upamanyumukherjee/healthapp

---

13 of 14 passages

Student passage FLAGGED

…and difficulty in collecting data from diverse populations. This **can lead to overfitting**, where **the model** performs **well on the training data but poorly on new data**

Top web match

Model complexity **can** also **lead to** longer training times and decreased accuracy, while **overfitting** can cause **the model** to perform **well on the training data but poorly on new data**.

Model Complexity & Overfitting in Machine Learning - Data Analytics https://vitalflux.com/model-complexity-overfitting-in-machine-learning/

---

14 of 14 passages

Student passage CITED

7. Jindal, H. et al. (2021) "**Heart disease prediction using machine learning algorithms**," in IOP Conference Series: Materials Science and Engineering. IOP…

Top web match

Heart disease prediction using machine learning algorithms. Harshit Jindal1, Sarthak Agrawal1, Rishabh Khera1, Rachna Jain2 and Preeti Nagrath2.

Heart disease prediction using machine learning algorithms https://iopscience.iop.org/article/10.1088/1757-899X/1022/1/012072/meta

---