

(https://profile.intra.42.fr)

Remember that the quality of the defenses, hence the quality of the of the school on the labor market depends on you. The remote defenses during the Covid crisis allows more flexibility so you can progress into your curriculum, but also brings more risks of cheat, injustice, laziness, that will harm everyone's skills development. We do count on your maturity and wisdom during these remote defenses for the benefits of the entire community.

SCALE FOR PROJECT PISCINE PYTHON DATA SCIENCE (/PROJECTS/PISCINE-PYTHON-DATA-SCIENCE) / DAY 07 (/PROJECTS/PISCINE-PYTHON-DATA-SCIENCE-DAY-07)

You should evaluate 1 student in this team



Git repository

git@vogosphere.msk.21-school.ru:vogosphere/intra-uuid-c4a2560



Introduction

The methodology of School 21 makes sense only if peer-to-peer assessments are done seriously. This document will help you to do it properly.

- Please, stay courteous, polite, respectful and constructive in all communications during this assessment. The bond of trust between community 21 and you depends on it.

- Highlight possible malfunctions of the work done by the person and take the time to discuss and debate it.





- Keep in mind that sometimes there can be differences in interpretation of the tasks and the scope of features. Please, stay open-minded to the vision of the other.

Guidelines

- Evaluate only the files that are on the GIT repository of the student or group.

- Doublecheck that the GIT repository is the one corresponding to the student or the group as long as to the project.
- Meticulously check that nothing malicious has been used to mislead you and have you assess something except the content of the official repository.
- If you have not finished the project yet, it is compulsory to read the entire instruction before starting the review.
- Use the special flags in the scale to report an empty or non-functional solution as long as a case of cheating. In these cases, the assessment is completed and the final grade is 0 (or in a case of cheating is -42). However, except for a case of cheating, you are encouraged to continue reviewing the project to identify the problems that caused the situation in order to avoid them for the next assessment.
- You must stop giving points from the first wrong exercise even if the following exercises are correct.

Attachments

-  subject.pdf (<https://cdn.intra.42.fr/pdf/pdf/25740/en.subject.pdf>)
-  checking-logs.sqlite.sqlite (/uploads/document/document/4048/checking-logs.sqlite.sqlite)
-  Line_race_plotly.mov (/uploads/document/document/4049/Line_race_plotly.mov)
-  ab-test.csv (/uploads/document/document/4050/ab-test.csv)

Preliminaries

Respect the rules

- The repository contains the work of the student (or group).
- The student is able to explain their work at any time during the assessment.
- The general rules and any rules specific to the day are respected throughout the assessment.

 Yes

 No

Piscine Python | Data Science D07

Any hardcoded result is worth zero for the exercise.

Exercise 00 – Line chart

- Run all the cells in the notebook, they should work without errors
- The dataframe for the graph contains 33 rows?
- The graph has the title?
- The fontsize is specified?
- The figure size is specified?
- The graph has the rotation 90 degrees of the xticks?
- The database connection is closed?

In all other cases, the test is failed.

☒ Yes

☐ No

Exercise 01 – Line chart with styles

- Run all the cells in the notebook, they should work without errors
- The dataframe for the graph contains 32 rows?
- The graph has the grid for the x axis?
- The lines of the graph have different styles and the styles are exactly the same as in the subject?
- The graph has the rotation 90 degrees of the xticks?
- The answer to the question is The answer is 2?

In all other cases, the test is failed.

☒ Yes

☐ No

Exercise 02 – Bar

- Run all the cells in the notebook, they should work without errors
- The dataframe for the graph contains 35 rows?
- The graph has the gridlines for the y axis?
- The graph has the title?
- The bar is stacked?
- The colormap is specified?
- The database connection is closed?
- The answer to the first question is afternoon, evening?
- The answer to the first question is 2020-05-12?

In all other cases, the test is failed.

☒ Yes

☐ No

Exercise 03 – Bar charts

- Run all the cells in the notebook, they should work without errors
 - The dataframe for the graph has these values for the 17th hour: 7.142857 (weekend) and 16.000000 (working day)?
 - Both graphs are on the same plot?
 - The colormap is specified?
 - The database connection is closed?
 - The answer to the first question is 21?
 - The answer to the second question is 11?
- In all other cases, the test is failed.

☒ Yes☐ No

Exercise 04 – Histogram

- Run all the cells in the notebook, they should work without errors
 - The length of the list of the values for working days is 2037?
 - The length of the list of the values for weekends is 1170?
 - Both histograms are on the same plot?
 - The colors are specified?
 - The alpha for the top layer of the histogram is 0.7?
 - The legend is on the upper left corner?
 - The graph has 24 bins?
 - The database connection is closed?
 - The answer to the question is 11, 13, 22, 23?
- In all other cases, the test is failed.

☒ Yes☐ No

Exercise 05 – Boxplot

- Run all the cells in the notebook, they should work without errors
 - The dataframe for the graph contains 22 rows?
 - The colors are red for the whiskers, medians and caps?
 - The color is green for the boxes?
 - linewidths specified correctly?
 - The graph has the title?
 - Both boxplots are on the same plot?
 - The fontsize is 15 for the title?
 - The database connection is closed?
 - The answers to the question is 150?
- In all other cases, the test is failed.

☒ Yes☐ No

Exercise 06 – Scatter Matrix

- Run all the cells in the notebook, they should work without errors
- The dataframe for the graph contains 11 rows?
- s (size of the dots) is 200?
- The linewidth is specified correctly?
- The database connection is closed?
- The answer to the first question is no?
- The answer to the second question is no?
- The answer to the third question is yes?
- The answer to the fourth question is no?

In all other cases, the test is failed.

✓ Yes

✗ No

Bonus part | Exercise 07 – Heatmap

- Run all the cells in the notebook, they should work without errors
- The dataframe for the first graph contains 7 rows and 30 columns?
- The dataframe for the first graph is sorted by the total number of commits per user? the first three columns are: user_4, user_14, user2?
- The dataframe for the second graph contains 24 rows and 30 columns?
- The dataframe for the second graph is sorted by the total number of commits per user? the first three columns are: user_4, user_14, user2?
- The colormap is specified for both graphs?
- The colorbar has the same height as the main graph in both plots?
- The rotations of the xticks on the both graphs is 90 degrees?
- The database connection is closed?
- The answer to the first question is user_2?
- The answer to the second question is user_4?
- The answer to the third question is Fri?
- The answer to the fourth question is user_4, 21?

In all other cases, the test is failed.

✓ Yes

✗ No

Bonus part | Exercise 08 – Seaborn

- Run all the cells in the notebook, they should work without errors
- The graph has the gray background and grid?
- The graph has the title?
- The title fontsize is 30?
- The title is on the graph and not above it?
- The height of the graph is 10 and the aspect is 1.5?
- The linewidth is specified correctly?
- The palette is specified?
- The fontsize of the axes is 15?
- The database connection is closed?

- The answer to the first question is user_4?
- The answer to the second question is user_2?

In all other cases, the test is failed.

✓ Yes

✗ No

Bonus part | Exercise 09 – Plotly

- Run all the cells in the notebook, they should work without errors
- The play button works properly and the animation looks the same as in the subject example?
- The graph the mode lines+markers?
- The graph has the gray background and grid?
- The graph has the title?
- The database connection is closed?

In all other cases, the test is failed.

✓ Yes

✗ No

Ratings

Don't forget to check the flag corresponding to the defense

✓ Ok

★ Outstanding project

📄 Empty work

💬 No author file

⚙️ Invalid compilation

📖 Norme

📑 Cheat

💥 Crash

💧 Leaks

🚫 Forbidden function

Conclusion

Leave a comment on this evaluation

Finish evaluation

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