

# Jupyter Notebook Mastery

## Course Introduction



**SoftUni Team**  
Technical Trainers



**SoftUni**



Software University

<https://softuni.bg>

# You Have Questions?

[sli.do](https://sli.do)

**#jnn\_mastery**

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# SoftUni Diamond Partners

**SUPER  
HOSTING  
.BG**



**Coca-Cola HBC  
Bulgaria**

 **Flutter**<sup>TM</sup>  
International

**INDEAVR**  
Serving the high achievers



**AMBITIONED**

 **DRAFT  
KINGS**



**SOFTWARE  
GROUP**



**BOSCH**



**Postbank**

*Решения за твоето утре*

 **PHAR  
VISION**



**SmartIT**

**DXC**  
TECHNOLOGY

**createX**



# **Course Objectives**

# Course Objectives

- Defining **problems** and **hypotheses**
- **Text processing** and **formatting** in a Jupyter Notebook environment
- **Data processing** and **preparation** for the purpose of data storytelling
- Intuitive data visualization - **creating charts**
- Drawing conclusions based on data analysis
- Preparing a finished Jupyter notebook





# **The Trainers Team**

- ML enthusiast with a keen interest in scientific work
- Graduated in finance and accounting
- Passion for machine learning and programming
- Currently is a PhD student and lecturer
- Interested in the creation of macroeconomic models and simulations







# Course Organization

# Course Timeline

05-Dec-2023

27-Jan-2024

03-Feb-2024

**Jupyter Notebook Mastery**  
**6 weeks \* one/week**

**Start: 05-Dec-2023**

**Exam Regular: 27-Feb-2024**  
**Exam Theoretical Regular - 27-Feb-2024**

**Exam Retake: 03-Feb-2024**  
**Exam Theoretical Retake: 03-Feb-2024**

- Your homework:
  - Lesson days → slides + demos + exercises + tests
- How to submit your homework?
  - For practical problems:  
Submitted in the judge system
  - For tests <https://quiz.softuni.bg/>
- Do your homework when it's due
  - Assignments pile up quickly





**Exam**

# Practical Exam

- Exam – on **27-Jan-24** from **09:00** to **13:00**
  - Notebook that you have to fill in and format
  - Submit the project in Judge system



# Theoretical Exam

- You will have 30 minutes once you enter
- **20 questions** with:
  - Multiple choice with only one correct answers
  - English
- Automated quiz system
- Available online at the day and time of the practical exam - on **27-Jan-24** from **09:00** to **13:30**
  - You can submit your answers just once





# Evaluation Criteria







# Course Web Site, Forum and FB Group

- Official web site:

<https://softuni.bg/trainings/4394/jupyter-notebook-mastery-december-2023>

- Official discussion forum:

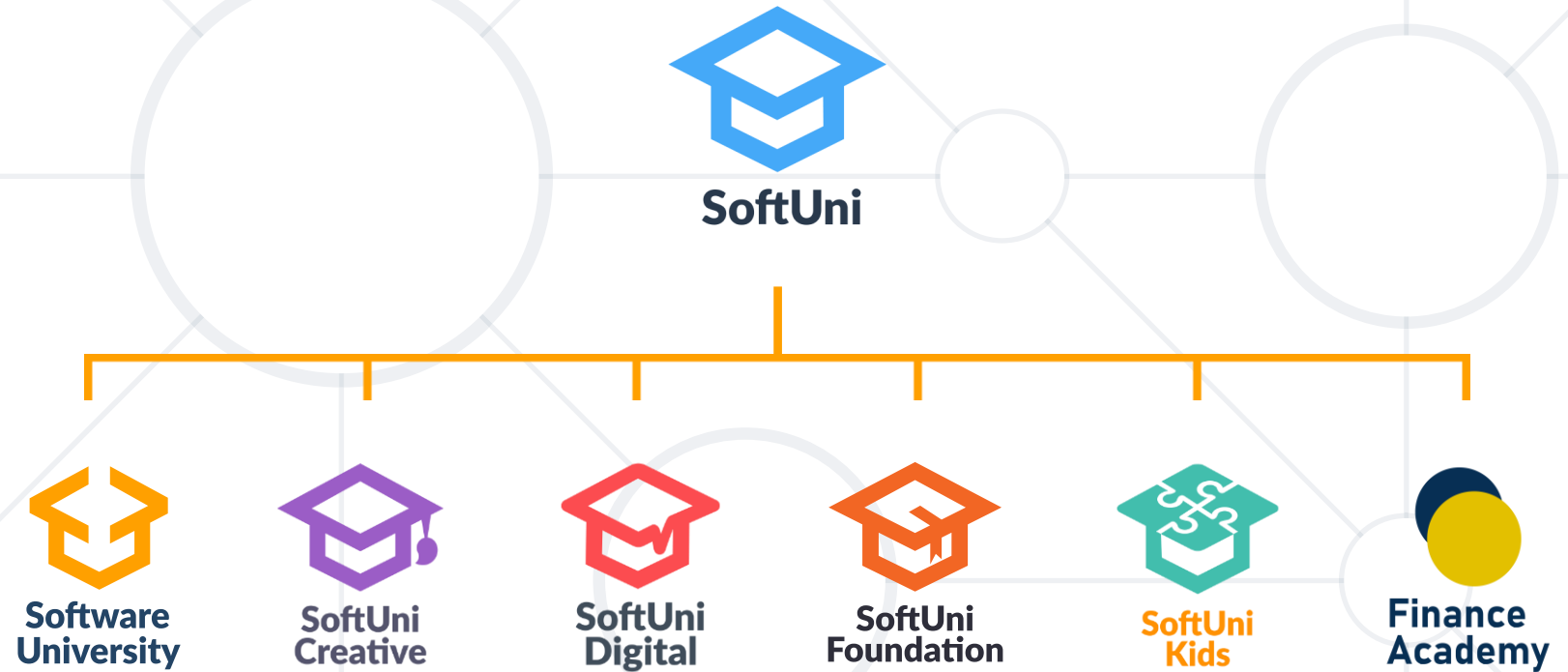
<https://softuni.bg/forum>

- Official Facebook groups:

<https://www.facebook.com/groups/jupyternotebookmasterydecember2023>



# Questions?



- Software University – High-Quality Education, Profession and Job for Software Developers
  - [softuni.bg](http://softuni.bg), [softuni.org](http://softuni.org)
- Software University Foundation
  - [softuni.foundation](http://softuni.foundation)
- Software University @ Facebook
  - [facebook.com/SoftwareUniversity](https://facebook.com/SoftwareUniversity)
- Software University Forums
  - [forum.softuni.bg](http://forum.softuni.bg)



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