

Educational Program

Code: [eGPTAen]

Educational Institution

Ettevõtluskeskus OÜ

Title of the Study Program

en: ChatGPT Advanced Data Analysis

et: ChatGPT ja edasijõudnud andmeanalüüs

Language of Instruction

English

Study Group

AKS: Arvutikasutus

Purpose and Learning Outcomes

Purpose: To equip learners with the essential skills to harness the full potential of ChatGPT's advanced data analysis capabilities. By understanding and applying these tools, participants will be able to automate complex tasks, enhance their productivity, and foster creativity in diverse professional settings. The course seeks to bridge the gap between advanced AI technology and practical everyday applications, ensuring that even those without a programming background can unlock the transformative benefits of ChatGPT's capabilities.

Learning Outcomes

1. Turning an Excel file into visualizations and then slides inside a PowerPoint presentation; extracting data from a series of PDFs.
2. Answering questions about what is in the PDFs, and visualizing the data; automatically determining if a receipt complies with a travel policy captured in a PDF.
3. Transforming a document into a training presentation and associated quizzes; reading and reorganizing a set of documents based on what they contain.

4. Producing social media and marketing content from a series of documents or video transcripts.
5. Automating resizing and editing of videos/images while also cataloging them in a CSV.

Target Group and Enrollment Conditions

Target Groups: The primary audience for the "ChatGPT Advanced Data Analysis" course are professionals, students, and enthusiasts who are keen on leveraging the power of advanced AI for data analysis in their respective fields. This includes but is not limited to business analysts, researchers, educators, content creators, marketers, and individuals in administrative roles.

While the course is designed to be accessible for beginners, it's equally beneficial for those with some prior knowledge in data handling and are looking to expand their toolkit.

Enrollment Conditions:

- **Basic Computer Skills:** Familiarity with operating a computer, browsing the internet, and using standard software like MS Office.
- **Language Proficiency:** A competent grasp of the English language, as course materials and instructions will be delivered in English.
- **Commitment:** Willingness to engage with course materials, participate actively in discussions, and complete the practical assignments.
- **Technical Requirements:** For effective course completion, it's recommended to have access to a stable internet connection, a modern browser for interaction with ChatGPT, and **the ability to use the paid version of ChatGPT-4.**

Note: While having prior experience with ChatGPT or data analysis tools can be advantageous, it is not a mandatory requirement for enrollment.

Total Training Volume (expected training time), its structure, learning environment

Total training volume: 10 academic hours, which consists of 10 hours of independent work (including homework).

The training is designed for one week.

Teaching methods: The course consists of lectures, practical exercises, independent work, and self-analysis.

List of educational materials: Course materials, including video lectures, slides, worksheets, practical work instructions, case studies, additional materials.

Learning environment: Training is conducted online on Coursera.

<https://www.coursera.org/learn/chatgpt-advanced-data-analysis>

Instructors

Dr. Jules White is an Assistant Professor of Computer Science in the Dept. of Electrical Engineering and Computer Science at Vanderbilt University.

Dr. White's was previously a faculty member in Electrical and Computer Engineering at Virginia Tech and won the Outstanding New Assistant Professor Award at Virginia Tech. Dr. White's research focuses on securing, optimizing, and leveraging data from mobile cyber-physical systems. Dr. White's research has been licensed and transitioned to industry, where it won an Innovation Award at CES 2013. His research is conducted through the Mobile Application computing, optimizatoN, and secUrity Methods (MAGNUM) Group at Vanderbilt University, which he directs. Through his research efforts in model-driven engineering, Dr. White became the project leader of the Eclipse Foundation's Generic Eclipse Modeling System (GEMS). GEMS is a part of the Eclipse Modeling Project. In collaboration with Lockheed Martin Aeronautics, Dr. White has developed highly scalable particle swarm optimization techniques for optimizing the deployment of software in real-time aeronautics platforms to reduce network traffic. He has also worked on deployment modeling and optimization projects in the automotive and medical imaging domains for Siemens AG. Dr. White's current work on deployment optimization for multi-core processors is supported by the National Science Foundation, Lockheed Martin, and the Air Force Research Laboratories.

Information about the Course Organizer

The course is organized by Ettevõtluskeskus OÜ, known for its high-quality training and highly rated trainers. All trainers are experts in their field and have deep knowledge and practical experience.

Contact Information for Ettevõtluskeskus OÜ:

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