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| Skabelon kursusbeskrivelse |
| **overskrift** |
| Data Processing and Visualization with Jupyter Notebook |
| **start** |
| Dato: 30/01/2019 Kl.    9.00 |
| **Slut** |
| Dato: 30/01/2019  Kl.   16.00 |
| **deadline for tilmelding** |
| Dato: 15/01/2019 |
| **indledning** Målgruppe samt ultrakort beskrivelse/”appetitvækker” (sES PÅ FORSIDEN AF HJEMMESIDEN) |
| Data processing and visualization is important for my research - but how do I get started? |
| **FORMÅL MED KURSUS:** HVORFOR OG HVAD FÅR MAN UD AF KURSUS SOM DELTAGER |
| This course is intended to provide the participants a working knowledge for performing data processing and data visualization. After the course the participants should be able to start applying basic data processing and data visualization methods in his/her own field of research. |
| **INDHOLD** HVILKE DELELEMENTER INDGÅR I KURSUS. ANGIVER DE ENKELTE DELE SOM INDGÅR I KURSUS. DET  KAN VÆRE TEMAER, OMRÅDER, EMNER ETC. DETTE ER TIL FORSKEL FRA MÅL EN MERE UDDYBENDE GENNEMGANG  AF SELVE KURSET OG DE FAKTISKE EMNER SOM DER UNDERVISES I |
| In this course we will build a working knowledge for performing simple data processing and generating visualization of data using the programming language Python. The course requires no knowledge of the Python programming language, but a basic programming proficiency is required (your have programmed at least a little bit before). We will first cover basic programming in the Python language and how to work with the Jupyter Notebook tool. This basic part will then be extended with data processing and visualization based on a dedicated data analytics tools named Pandas. |
| **UNDERVISNINGSFORM** HVORDAN GENNEMFØRES UNDERVISNINGEN |
| The day is organized as a lecture with small exercises. During lectures, the participants can in parallel work on his/her own computer to apply, validate and gain some experience with the workflow. During the day there will be many exercises of approx. 5-10 mins. duration where the participants can work on small well-defined problems individually or in small groups. |
| **DELTAGERFORUDSÆTNINGER** HVILKE FORUDSÆTNINGER SKAL EVT. VÆRE PÅ PLADS FORUD FOR KURSUS |
| Basic programming profiency (you have programmed before, but not neccessarily in the Python programming language). |
| **FORBEREDELSE** HVAD SKAL KURSISTEN EVT. FORBEREDE |
| * Bring your laptop. You will need it! * Install the Python environment called Anaconda (https://www.anaconda.com/download/) * The course organizers will provide material about basic Python programming. We will cover the content in about 2 hours. The course participants can have a look in this material prior to the course. If the participants feel comfortable about the content, they can skip the material. If the participants does not feel comfortable, it could be beneficial to study the material prior to the commence of the course. |
| **angivelse af kursussted** angive adresse og lokale |
| Kurset afholdes: |
| **underviser** |
| Underviser på kurset: Associate Professor Thomas Arildsen and Special Consultant Tobias Lindstrøm Jensen |
| **tilmeldingsprocedure** |
| Via ”HR kompetence” center. |
| **ANTAL DELTAGERe** |
| Min. 8  Max. 30 |
| **evt. fortæring** |
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| **prisfastsættelse:** |
| Underviser pris ex. Moms        Transportudgifter/Kørselsgodtgørelse        Hotel og opholdsudgifter        Kursusmateriale pr. deltager        Fortæring pr. deltager        Øvrige udgifter        Kommentarer  Finanseres af midler fra AAUs digitaliseringsstrategi      I kursusbeskrivelsen oplyses prisen for min. antal deltagere samt max. antal deltagere, og muligvis en pris midt imellem |
| **evaluering** |
| Evalueres kurset af kursusudbyder?   Nej |