

Campus Luzern – A Cooperative Project of the University-Level Institutions in Lucerne

## ***Version Control and Collaboration with Git and GitHub***

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| <b>Tutor</b>                        | <u>Resul Umit</u> , University of Oslo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Organization</b>                 | Campus Luzern                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Language</b>                     | English                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ECTS-Points</b>                  | 1 ECTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Nos. of participants</b>         | max. 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Content</b>                      | <p>Writing — code as well as text — is at the centre of most research projects. We write typically in numerous sittings, on multiple computers, together with collaborators, and over a long period of time to complete a single project.</p> <p>At the end of every sitting (by each collaborator, on each computer, and so on), essentially a different version of the same document(s) and folder(s) is created. With many versions created over time, there emerges several challenges, including:</p> <ul style="list-style-type: none"> <li>• keeping track of changes and versions</li> <li>• reverting to a previous version when necessary</li> <li>• communicating the versions to other authors and/or computers</li> <li>• working on the same project with co-authors at the same time</li> </ul> <p>This workshop will introduce you to Git and GitHub, in a workflow suited to address these challenges.</p> |
| <b>Prerequisites/<br/>Materials</b> | <p>This workshop is for complete beginners, and prior knowledge of Git or GitHub is not required.</p> <p>You should install <a href="#">Git</a> and <a href="#">GitHub Desktop</a> to your computer, and set up a free <a href="#">GitHub</a> account before the workshop. Please <a href="#">contact Resul</a> if you have any questions.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Reading list</b>                 | <p>Bryan, J. (2018). <a href="#">Excuse me, do you have a moment to talk about version control?</a> <i>The American Statistician</i>, 72(1), 20-27.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Teaching method</b>              | This workshop is offered in English. It will take place online, via Zoom.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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| <b>Charge</b> | <p>This Campus Luzern offering is directed at researchers, post-docs, doctoral students, people interested in starting a dissertation and employees of Lucerne universities and is free of charge for these persons. For persons not affiliated with Lucerne universities, the course fee is CHF 600/day.</p> <p>Certificates with the respective ECTS-Points are prepared on request (<a href="mailto:graduate.resources@campus-luzern.ch">graduate.resources@campus-luzern.ch</a>).</p> |
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