

## Econometrics (3680), 5 credits – course info spring 2026

<b>General information</b>	<p>The course will primarily be delivered online. Lectures, exercises, and related materials will be made available on Moodle and may, to a certain extent, be completed at your own pace.</p> <p>An introductory session will take place on Monday, January 19, at 10:15 via Microsoft Teams.</p> <p>A weekly support session will be held on Fridays at 10:15 in room A307.</p>
<b>Course description</b>	<p>The course is given both in English and Swedish in Helsinki.</p> <p>The course offers a modern introduction to econometrics, focusing on real-life economic problems. Econometrics employs statistical methods to answer economic questions and is utilized in all fields of applied economics for testing economic theories, informing policymakers and predicting economic variables. Because of the nonexperimental nature of most data, uncovering causal relationships may be challenging. The main topic of the course is linear regression models for cross-sectional data.</p>
<b>After completing the course, you will be able to</b>	<ul style="list-style-type: none"> <li>• apply fundamental concepts from mathematical statistics</li> <li>• specify and interpret linear regression models</li> <li>• employ statistical software to estimate linear regression models using real world data</li> <li>• formulate and test hypotheses on the parameters of the linear regression model</li> <li>• articulate the underlying assumptions of the linear regression model, detect and address violations of the assumptions</li> </ul>
<b>Prerequisites</b>	Mathematics for Economics and Business and 1153 Statistical Analysis for Economics and Business.
<b>Study methods</b>	Online lectures and computer exercises, catch up.
<b>Study materials</b>	<ul style="list-style-type: none"> <li>• Wooldridge, J. M. (2020). Introductory econometrics: a modern approach. Cengage Learning. 7th edition or earlier, chapters 1-9, Appendix A-C. Available at <a href="#">Perlego</a>.</li> <li>• Heiss, F. (2020). Using R for Introductory Econometrics. 2nd edition. CreateSpace Independent Publishing Platform. Available <a href="#">online</a>.</li> </ul>
<b>Assessment</b>	<p>Written exam (80%) and assignments (20%).</p> <p>Digital in-class exam at Hanken, exam dates: TBA</p> <p>You may bring the course textbook or the official lecture notes, as well as a personal calculator.</p> <p>Note that annotations and personal notes within the lecture materials are allowed.</p>
<b>Examiner</b>	<p>Christian Johansson</p> <p>Support sessions held by Niclas Meyer</p>