

Chair for Quantitative Business Administration

Roads to a Master Thesis

March 8, 2017

This document provides a guideline for writing a Master Thesis at the Chair of Quantitative Business Administration.

Step 1 - Select a Topic

In Step 1 you have two options: You can either select one of our provided topics or suggest an own idea for a thesis that fits to the research interests of a supervisor at our chair.

Option A - Select a Provided Topic

Please select a list from the PDF **Topics for a Master Thesis**.

Option B - Suggest an Own Idea

Please suggest an own idea for a thesis, which fits to the research interests of a supervisor at our chair shown in this list:

Alena Miftakhova – alena.miftakhova@business.uzh.ch

Alena's research interest lies in the field of Economics of Climate Change. In her first research project, she suggested a methodology for statistical approximation of the impact of greenhouse gas emissions on the global temperature rise. Her second project involves applying econometric methods to examine the relation between major climate indicators and financial markets. Alena can support you in Matlab and R.

Gregor Reich – gregor.reich@business.uzh.ch

Gregor's research interests lie in dynamic discrete choice models, structural estimation, agent-based computational economics, and software engineering for scientific programming. He can support you in Python, C++, R, Matlab, OpenMP, MPI, and CUDA.

Janos Mayer – janos.mayer@business.uzh.ch

Janos' research interest lies in optimization models for financial portfolio selection. He can support you in GAMS and Excel VBA.

Jose Parra Moyano – jose.parramoyano@gmail.com

Jose's research interest lies in blockchain applications. He can support you in R and Mathematica.

Maik Meusel – maik.meusel@econ.uzh.ch

Maik's research interests lie in computational economics, mechanism design, and Big Data analytics. He can support you in Wolfram Language (Mathematica).

Robert Erbe – robert.erbe@business.uzh.ch

Robert's research interests lie in time series methods, risk management, and portfolio optimization. He can support you in Matlab and Mathematica.

Vanessa Kummer – vanessa.kummer@business.uzh.ch

Vanessa's research interest lies in machine learning in business administration and economics. She can support you in R, Matlab, and Mathematica.

Step 2 - Contact your Supervisor

In Step 2 you contact your potential supervisor via Email. Provide your motivation to write the thesis with our chair and the respective supervisor. In addition please mention some relevant classes that you have attended. For Option A the supervisor will provide additional information about the topic. For Option B please provide a rough sketch of your topic (at least half a page) when you contact a potential Supervisor. The supervisor will help you clarifying the topic.

Step 3 - Write a Proposal

In step 3 you have to write a proposal of at least three pages following the guidelines listed in the template **Thesis Proposal**.

Step 4 - Proposal Feedback and Potential Revision

In step 4 the supervisor provides feedback and potentially requests a revision of the proposal.

Step 5 - Official Registration

After the supervisor accepted your proposal you can start working on your thesis and we will officially register the thesis with the dean's office.