



POL50070 - Module Details

<h1 class="pageTitle">POL50070 Quantitative Methods I (CORE) (TCD)</h1>

<h2>Academic Year 2018/2019</h2>

Introduction to the use of data for statistical analysis in political science. The module will introduce concepts such as measurement, variables, statistical data, and provide an introduction to basic descriptive statistics summarizing numerical data, both graphically and numerically. It will introduce the basics of statistical inference, drawing conclusions about populations on the basis of sample data, using the basic operations of hypothesis tests and regression analysis. Foundational knowledge of frequentist and Bayesian statistical inference will be provided and the end result will be basic ability to perform multiple regression analysis, both with continuous and with dichotomous dependent variables.

<div style="text-align:center;"><p>Curricular information is subject to change</p></div>

What will I learn?

Learning Outcomes:

- <p>- basic understanding of working with R and RStudio
 - being able to summarize and describe statistical data
 - solid understanding of frequentist statistical inference
 - basic understanding of Bayesian statistical inference
 - basic understanding of executing and interpreting multiple regression
 - preliminary understanding of logistic regression
- </p>

How will I learn?

Student Effort Hours:

Student Effort Type	Hours
Lectures	15
Laboratories	11
Total	26

Am I eligible to take this module?

<div class="subHeadCB">Requirements, Exclusions and Recommendations</div>

<p>Not applicable to this module.</p>

<div class="subHeadCB">Module Requisites and Incompatibles</div>

Not applicable to this module.

How will I be assessed?

Assessment Strategy

Description	Timing	Component Scale	Must Pass Component	% of Final Grade
Essay: Essay	Coursework (End of Trimester)	Letter Grade	No	50
Assignment: Assignment	Week 3	Letter Grade	No	10
Assignment: Assignment	Week 6	Letter Grade	No	10
Assignment: Assignment	Week 12	Letter Grade	No	15
Assignment: Assignment	Week 9	Letter Grade	No	15

<div class="row">

<div class="col-sm-6">Carry forward of passed components

Not yet recorded</div>

</div>



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Printed on 22 July 2019
by

Not yet recorded

Assessment feedback

Not yet recorded

Reading List

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<nav class="white-box no-left-arrow zero-top-margin">
  <h4>Quantitative Methods I (CORE) (TCD) (POL50070)</h4>
  <IMG
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    <dt>Subject:</dt>
    <dd>Politics</dd>
    <dt>College:</dt>
    <dd>Social Sciences & Law</dd>
    <dt>School:</dt>
    <dd>Politics & Int Relations</dd>
    <dt>Level:</dt>
    <dd>5 (Doctoral)</dd>
    <dt>Credits:</dt>
    <dd>10.0</dd>

    <dt>Trimester:</dt>
    <dd>Semester One</dd>
    <dt>Module Coordinator:</dt>
    <dd>Assoc Professor Jos Elkind</dd>
    <dt>Mode of Delivery:</dt>
    <dd>Not yet recorded</dd>
    <dt>Internship Module:</dt>
    <dd>No</dd>
    <dt>Clinical/ Fieldwork/ Placement:</dt>
    <dd>Not yet recorded</dd>
    <dt>How will I be graded?</dt>
    <dd>40% </dd>
  </dl>
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