

Module Code	AN-3318		
Module Title	Statistics for Linguistics		
Degree/Diploma	Bachelor of Arts		
Type of Module	Major Option		
Modular Credits	4	Total Student Workload	8 hours/week
		Contact Hours	3 hours/week
Prerequisite	AN-1201 Introduction to English Language and Linguistics		
Anti-requisite	None.		
<b>Aims</b> This module is designed to enable students to acquire an understanding of quantitative research methods. It aims to equip students with the general statistical concepts and data techniques relevant to linguistic and applied linguistic research and provides students with the skills necessary to organise, analyse, and visualise linguistic data using Excel, as well as explains the basic concepts underlying the different statistical tests. Students will be introduced to statistical formulae and commands on Excel. The knowledge from this module will set a foundation that enables students to also identify and apply new quantitative methods, beyond the ones covered in this module, in their future projects. Module concepts are framed around existing linguistic research, to help students design future research projects and critically evaluate academic literature.			
<b>Learning Outcomes</b> <i>On successful completion of this module, a student will be expected to be able to:</i>			
Lower order :	30%	<ul style="list-style-type: none"><li>Understand the concept of descriptive and inferential statistics</li><li>Formulate clear, quantitatively measurable research questions</li></ul>	
Middle order :	40%	<ul style="list-style-type: none"><li>Able to select and use appropriate quantitative methods to analyse linguistic phenomena</li><li>Carry out descriptive and quantitative analysis of small data sets, applying statistical method using Excel</li></ul>	
Higher order:	30%	<ul style="list-style-type: none"><li>Perform a wide variety of data-related tasks in Excel</li><li>Work independently in analysing data</li><li>Design and produce professional and informative visualisations</li><li>Critically assess the appropriateness of various methodological approaches in published linguistics and/or applied linguistics articles.</li></ul>	
<b>Module Contents</b> <ul style="list-style-type: none"><li>Introduction to Excel</li><li>Fundamentals of Quantitative Analysis</li><li>Presenting data visually on Excel</li><li>Descriptive and Inferential statistics</li><li>Frequency distribution</li><li>Populations and sampling</li><li>Hypothesis and testing</li><li>Correlation</li><li>Statistics in phonetics</li><li>Quantitative methods in sociolinguistics</li></ul>			
Assessment	Formative Assessment	Weekly online quiz on Canvas. Online forum discussions.	
	Summative Assessment	Examination: 50% Coursework: 50% <ul style="list-style-type: none"><li>1 group project (30%)</li><li>1 test (20%)</li></ul>	