

II MA-PJN
Fakultety kierunkowe
Filologia angielska (II stopień, semestr 4)
rok akademicki 2020/2021

PROSZĘ WYBRAĆ DWIE OPCJE

1. dr hab. Mikołaj Rychło

ETYMOLOGY

This course concentrates on researching where English words come from and how they change. The basic skill which students will learn first is how to distinguish inherited words from borrowings. The inherited ones often find cognates in related languages, Polish including. The loanwords will be analysed in groups depending on the donor language. Special attention will be paid to borrowings from Latin and Greek which often exhibit one root in a number of words. It is hoped that identifying the meaning of these roots will be the key to the understanding of many unfamiliar words encountered in and outside our classes.

2. dr hab. Anna Bączkowska

DATA VISUALIZATION METHODS AND TOOLS

The aim of the course is to familiarize students with exploratory data visualization methods and tools. Several information visualization software programs will be used, for example *MS Excel (Visual Basic)*, *Google Charts*, *Datawrapper*, *Plotly/Chart Studio*, *InetSoft* and *Tableau*, in order to demonstrate how to efficiently present graphical information in accessible way. By the end of the course the students will know the typology of data, will understand select statistical concepts and tests, they will know how to sample and aggregate data, remove noise from them and highlight important information, as well as how to prepare graphs, bar and area charts, tables, networks, bubble and scatter plots based on numerical and textual data, and how to make interactive, dynamic and zoomable visualization of multivariate, temporal and geo-spatial data. The students will be able to generate powerful and high impact reports showing trends, outliers, predictions and data patterns which drive engagement, and which are based on varying data-driven findings as well as to successfully communicate valuable insights for potential stakeholders and decision-makers.

3. dr Marcin Fortuna

WEB DEVELOPMENT FOR NATURAL LANGUAGE PROCESSING

The aim of the course is to familiarize students with the basics of website creation and web application development, especially from the perspective relevant for Natural Language Processing. The core technologies taught in the course are HTML (the markup language which forms the basis of every website), CSS (a useful language which helps you style your website), and JavaScript (a real programming language which not only helps you make your website interactive, but also has many other uses). Furthermore, participants will be expected to set up GitHub accounts and to use version control with Git. Participants will be divided into several groups, each of which will be expected to complete a web application using the aforementioned technologies.