**Introduction to Statistics for Language Science Using R**

**Instructor: Mehrgol Tiv, McGill University, Canada**

This one-week course is designed for PhD/graduate students in the Language Sciences who are interested in building a foundational knowledge of statistics for research using R. We will use a variety of methods (e.g., lecture, tutorials, group work) to address 5 broad aims in this course: (1) understand basic statistical theory and its contributions to language research, (2) become familiar with data structure and compute descriptive statistics from a dataset, (3) learn to visualize the distribution of and relationship between variables, (4) gain an understanding of some basic inferential statistical tests (e.g., t-test, ANOVA, regression), and (5) discuss best practices in data science. Throughout the week, students will practice these skills in the open software R (and R Studio) to answer research questions of their own. The course will be taught in English.

**Course code:**

**SPRÅK8869**