

MEDG 525 Teaching Assistant Job Description

Location: LSI 1330

Hours: Tuesdays and Thursdays 2-4pm from September 3, 2024 to December 5. No class November 12 due to Midterm break.

Hours per week: 11 hours/week. Note that we may only require 9 hours/week of TA support if enrollment numbers are low. Since this is a new course, it is difficult to judge enrollment numbers at the time of posting.

TA competencies:

- Graduate student in Year 2 and beyond (by September, 2024), studying in a program with a quantitative or computational focus.
- Comfort with Jupyter notebooks, installing software/packages on Windows and MacOS
- Intermediate to advanced R experience, including importing, manipulating, visualizing, and analyzing large population and genomic datasets (e.g., with base R, tidyverse)
- Intermediate to advanced Python experience, including reading/writing datasets, manipulating dataframes, plotting, and fitting/evaluating machine learning models (e.g. pandas, matplotlib/seaborn, scikit-learn)

TA roles and responsibilities:

1. Grading according to provided rubrics **(1-2hrs/wk)**;
2. Attend weekly lectures **(4hrs/wk)**. Lectures will be Tu/Th from 2-3:30 pm. TA should be prepared to stay 30 min minutes after the lecture to answer student questions.
3. Assist in delivery of tutorials **(2-3hrs/wk)**. Tutorials will be offered intermittently to support students during coding-heavy times in the course. We anticipate offering approximately 3 tutorials / term. Tutorials may be scheduled in the evening, and may be virtual, depending on student needs.
4. Distributing course materials via Canvas, responding to student posts **(2-3hrs/wk)**

Since potential applicants may be more comfortable in one coding environment versus the other, they are invited to apply for one or both of the half-term positions that correspond to the coding environment of their preference (see application form). Note that compensation will be adjusted accordingly for half-term positions.