**Project-based research**

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| **Project Name:** | 2024 US Election Forecasting at Purdue | **Project ID:** | Leave Blank |
| **Supervisor:** | Alexandria Volkening | **Number of Positions** | 4 |
| **Project Description:** | Election forecasting involves polling likely voters, weighting polling data, combining it with other information (e.g., how the economy is doing), and accounting for uncertainty. In the project, we will use publicly-available polling data, together with mathematical modeling, to produce forecasts of the 2024 US presidential, senatorial, and gubernatorial elections. For more information, see my group’s 2022 forecasting website here: <https://c-r-u-d.gitlab.io/2022/>  |
| **Final Deliverables:** |  We will produce forecasts of the 2024 US elections and post our forecasts on our website. We will write code for handling polling data and weighting it in new ways. |
| **Weekly Working Hours** | * Average of 9 hours per week during the semester
* Full time during the summer
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| **For Credits/Voluntary**  | For credit during the academic year: 3 credits per semesterFor funding during the summer |
| **Desired Qualifications**  | I am looking for driven students who are strong communicators, good writers, and good team members; are excited about interdisciplinary research; have background in linear algebra & differential equations and strong programming skills (especially Matlab; R, Html, or Javascript are also helpful); and are interested in remaining on the election team for two semesters and the summer (from January 2024 to December 2024).  |

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