Ling 406: Intro to Computational Linguistics

Student background survey

Spring 2021

1. List your name, NetID, and GitHub ID

Name: Janani Rajadurai

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GitHub ID: jananir2

1. List your major, department, and school

Major: Computer Science

Department: Computer Science

School: Grainger School of Engineering

1. What is your programming proficiency level? What programming languages do you know and which ones do you know best? Do you know Python? Have you worked with the NLTK / Scikit-Learn libraries before? What other Python libraries have you used?

My programming proficiency level is high. I know Python and Java best, but have also worked in C++, C#, and JavaScript. I have not worked with NLTK but I have worked with Scikit-Learn. I have also worked with the NumPy, Pandas, and SciPy libraries.

1. What is your linguistic background (if any)? (i.e., what do you know about linguistics? Have you taken any courses? Refer to morphology, syntax, semantics, etc.)

I have not taken any linguistics courses. However, I have performed research in Natural Language Processing where I have worked with tokenization of amino acid sequences to predict protein structure.

1. What is your math background? Any knowledge of probabilities? What level?

I have taken Calculus 1, 2, and 3, as well as Linear Algebra. I have a statistics minor and have taken CS 361: *Probability and Statistics in Computer Science*, so I have medium proficiency level in probability knowledge.

1. Have you taken any classes on Machine Learning? What kind and what level?

Yes, I have taken CS 441: *Applied Machine Learning*. I learned about several kind of ML models such as regression models and classifiers. This was medium to high-level of knowledge because it is a 400-level computer science class.

1. Have you taken any classes on Artificial Intelligence? If yes, when and where? What level?

I have taken CS 199: *Python for Data Science*, where I learned various artificial intelligence and data science methodologies such as clustering, markov modeling, monte carlo simulations, etc. I took this class at UIUC 2 years ago and it was a medium level of learning.

1. Why are you taking this class?

I am taking this class because when I performed NLP research 2 semesters ago, I became interested in Computational Linguistics, and wanted to learn more. I also am able to fulfill a Data Science Certificate at UIUC by taking this class!