

# DYLAN BOLLARD

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## EDUCATION

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### Portland State University

*September 2013 - Present*

M.S. Economics (Dec 2021 completion)

B.S. Mathematics (Dec 2021 completion)

B.S. Quantitative Economics

## FIELDS OF INTEREST

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Applied Econometrics, Resource and Environmental Economics, Sustainable Development, Game Theory and Mechanism Design

## PROJECTS

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### *"Economic Feasibility of Fleet Conversion for Portland Public Schools"*

This project began as a term paper for a graduate class but has quickly turned into a much more important analysis of transportation electrification, and its impact on the Pacific Northwest. Our analysis sought to examine costs related to fleet conversion from diesel to electric buses for the Portland Public Schools district. The paper was accepted at the Western Social Sciences Association conference in 2020, and is under consideration for publication pending review.

### Fleet Conversion Tool (R)

The previous project gave my co-author and I the idea to create a program for other school districts to use in order to assess their own fleet conversion projects. The tool is ready for application, and we look forward to districts testing the tool.

### Food Insecurity Study at Portland Community College

I was asked by my statistics professor to help him analyze data collected on food insecurity surveys gathered at Portland Community College. Our job was to provide an interpretation, significance, and recommendation for the issue at hand as well as future studies pertaining to the subject. We presented to the President of Portland Community College in 2018.

## TECHNICAL STRENGTHS

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### Software & Tools

MS Office, Latex, Git, R, Stata

### Programming Languages

Unix Shells and Tools, C++, SQL, Basic Python, Vanilla HTML/CSS on top of Jekyll for personal website

## WORK EXPERIENCE

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### Independent Actuaries, Inc.

October 2021 - Present

*Actuarial Analyst*

- Work includes completing project assessments, filing tax forms, and preparing reports for Actuary approval
- Spent significant time learning about retirement plans and Federal tax code
- Taken various assessments outside of the actuarial exams while part-time

### Portland State University

September 2020 - Present

*Graduate Assistant, Economics Department*

- Worked in a TA capacity grading homework, exams, and papers for the following classes:
- Introductory [Microeconomics](#) / [Macroeconomics](#), Graduate [Resource and Environmental Economics](#)
- Offered office hours and tutoring to students from a variety of classrooms.
- Led exam review sessions to focus on individual comprehension of material.
- Ensured accurate reflection of student progress in weekly communications.

**Portland Community College**  
*Math/Economics/Statistics Tutor*

October 2018 - June 2020

- Provided tutoring services in the Student Learning Center at the Sylvania campus for various subjects including all undergraduate mathematics, economics, statistics, and physics.
- Students visiting the center routinely reported positive feedback about my job performance. Several have suggested I teach the subjects that I tutor.
- Limited staffing on the weekends means a fast paced environment. The ability to explain complex topics in a reasonable amount of time was a key trait learned at this job.

## ACADEMIC ACHIEVEMENTS

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Awarded Graduate Assistantship for two successive years.

Term paper, "*Economic Feasibility of Fleet Conversion*" accepted into the 2020 Western Social Sciences Association yearly conference. This paper was further developed last year with Dr. Woods at Portland State University.

Successfully maintained a 3.87 GPA in graduate level coursework.

## EXTRA-CURRICULAR

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Pursued Spanish as a second language during High School.

Consistently attends economics and mathematics seminars held at Portland State University and other conferences.

Volunteers at after school programs coordinating and demonstrating topics relating to economics, mathematics, physics, renewable energy, and common energy production practices.

Independently tutors students each term that have difficulty paying for normal tutoring services or cannot take advantage of tutoring services at their respective universities. All of this tutoring is for free. I truly enjoy helping people meet their academic goals.

## PERSONAL TRAITS

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Highly motivated and eager to engage in new topics of interest.

Strong motivational and leadership skills.

Ability to work as an individual as well as in group settings.

Substantial work ethic and attention to detail.

Learns at a very fast pace.

Exceptionally organized.