Commute well-being among bicycle, car, and transit commuters in Portland, Oregon **Oliver Smith, Ph.D. Candidate in Urban Studies** Nohad A. Toulan School of Urban Studies and Planning, Portland State University

- being than motorized mode users?
- satisfaction) influence commute well-being?

- regression model



Fig. 1. Blue lines = shortest paths between respondents' home and work locations; Municipalities are shaded

Measure based on

Ettema, D., et al, 2010. Satisfaction with travel and Email: <u>osmit@pdx.edu</u> subjective well-being: Development and test of a Twitter: @OliverSmith78 measurement tool. *Transportation Research Part F*, 14, 3: 167-175.

Further Info

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OLS Regression Summary

Positive

- Biking and walking
- High job and home satisfaction
- Very good health
- Income \$75K+
- Commute as transition time
- Use trip productively (car + transit)

Negative

- Traffic congestion (car + bus)
- Transit crowding
- Travel time > 40 min. (car)
- Safety concerns (bike)

Not significant

- Transit
- Distance
- Travel time (bike + transit)
- Congestion (bike)
- Vehicle availability
- Multimodal commuting
- Gender, race, age, education

Conclusions

Commuting to work by active modes increases commute well-being, even when controlling for distance, income, and other factors.

Traffic congestion reduces commute well-being for car and bus commuters, but not bike commuters.

Efforts to encourage greater adoption of nonmotorized modes could be enhanced by noting commute happiness as a benefit of biking and walking to work.

Future research should address the relationship between commuting and overall well-being.

Portland State