Aaron Fellows A Tree Grows in Portland: **ENVS 400** Spring 2016 The Amenity Value of Urban Trees and their Relationship to City Shape To what extent do urban trees create value as an amenity, and what is the relationship between this

creation of value and the shape of the city around it?

The Functionalist Fallacy?

"Form ever follows function." This is the law."

—Louis Sullivan

• Originally architectural, since then applied across disciplines To what extent does it apply to urban trees? • How might the values created by trees shape the city?

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"City parks...need the boon of life and appreciation conferred on them." *—Jane Jacobs*

- surrounding it

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Observations	963			
F (4,956)	76.6	For more		
P > F	0.00	ds.lclark		
R ²	0.271			
Regression of Tree Canopy Proportion				

on Neighborhood Demographics showing significant relationships

nities' Contextual Value

 Describes the value of amenities as a product of their use

 Amenity values are activated by context • e.g Rittenhouse Square: Park's value shaped by the fabric of other amenities

Is this a case of function following form?

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ial Lidar Analysis ds in Tree Distribution ght profile regressed st demographic oles s correlate with nce and societal

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e information, please visit .edu/afellows/thesis this QR Code:





Portland's Temporal Forest

 City grown out of logging industry Centennial



Exposition of 1905: civilization's emergence from wilderness

 Differential treatment of "civilized" versus "wild" trees indicates value being ascribed to trees by their context

• Emergence of Heritage Tree program ascribes value to trees as individuals based on what they have witnessed

Trees and City Shape

Trees create value in ways that both shape and are shaped by the city around them.

Form does follow funtion, but function also follows form.

Rather than decide which direction is most appropriate, consider all the implications of the relationship between the two.



