



The Agent-based Demand and Assignment Model (ADAM)

CE3201 Lab #1
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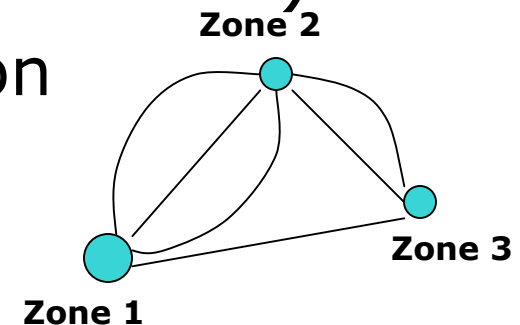


Agenda

- Lab 1-1 (this week): getting familiar with ADAM
- Lab 1-2 (next week): exploring global variables
- Lab 1-3 (the third week): designing your network

Travel demand modeling

- Travel demand modeling (Fricker and Whitford' book p.183-243)
 - Trip generation/attraction
 - Trip distribution
 - Mode choice
 - Traffic assignment





Getting started

- ADAM 1.0 is a java applet that can be accessed at <http://nexus.umn.edu/Courses/ce3201/index.html>
- To run ADAM at home, you need to install Java 2 SDK 1.4.2 platform, and use IE 6.0(+), Firefox 5.0(+), or Safari 2.0.3 browser (+).



Handouts

- **Assignment sheet (#1)** states the objective, basic instructions, and tasks of this lab.
- **User Guide** explains steps to work with ADAM (ADAM **help file** elaborates on each step).



Demonstration

- Choose network
- Edit network
- Set global variables
- Save your network
- Evolve and display results
- Examine statistics



Assignment 1

- A write-up (~1 page) with an appendix including statistics and picture of the network.
- Email to: zhuxx120@umn.edu
Subject: CE3201_Lab1-1 (your last name)
- Due 15 minutes prior to next lab section (by email)