



Séminaire étudiant conjoint
CIRRELT*/GERAD/MORSC
Joint Students Seminar



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BIKE ROUTE CHOICE MODELING FROM GPS DATA WITHOUT CHOICE SETS OF PATHS

ABSTRACT: Concerned by the nuisances of motorized travel on urban life, policy makers are faced with the challenge of making cycling a more attractive alternative for everyday transportation. One way to answer these questions is route choice analysis. Route choice models in a real network deal with identifying the route a traveler would take to go from one location to another. The discrete choice framework and revealed preference GPS data is used to define a choice probability distribution over paths in the network. Using GPS-based bike trajectories, we analyze the preferences of cyclists in Eugene, Oregon, and we reveal the relative attractiveness of different types of facilities. We also show how the model can be used to predict bike traffic on the network's links. Finally, we explain the advantages of our approach which does not require to compute choice sets of paths.

Note: Maëlle Zimmermann is currently a PhD student at the department of Computer Science of Université de Montréal.

VENDREDI / FRIDAY
11 novembre 2016, 12h
November 11th, 2016, 12:00

Salle / Room 5441
Pavillon André-Aisenstadt
Université de Montréal

Pizza et boissons gazeuses fournies
Pizza and soft drinks offered

Réservé aux membres étudiants
For students members only

Maximum : 25 personnes

Inscription obligatoire au plus tard le 10 novembre / Registration required no later than November 10th

<https://symposia.cirrelt.ca/Seminaire-Etudiant/fr/register>

* Étudiants du CIRRELT intéressés à présenter / CIRRELT students interested in presenting : Mehdi.Mahnam@cirrelt.ca



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