Who goes there?

Profiling audience street by street with Telco data

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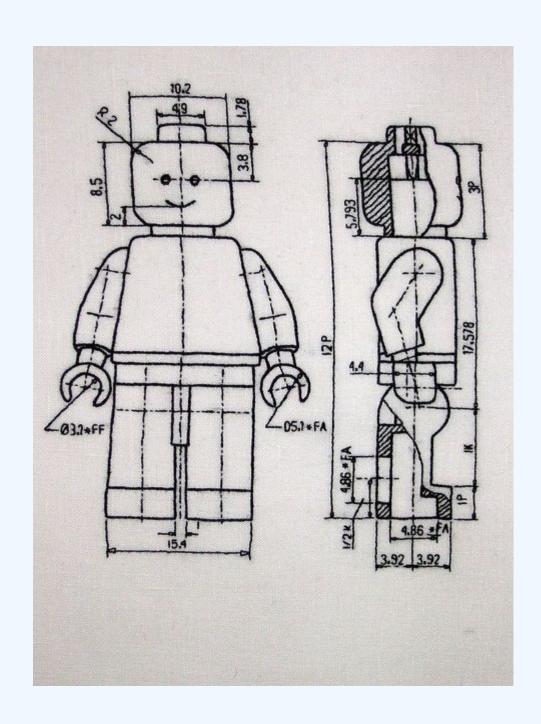
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Today's plan

- Introduction
- . Dataset
- . Models
- Final data product







The problem

Telcos do not know their customers







- . SQL database
- . Hadoop cluster
- Flat files





- SQL database
- Hadoop cluster
- . Flat files

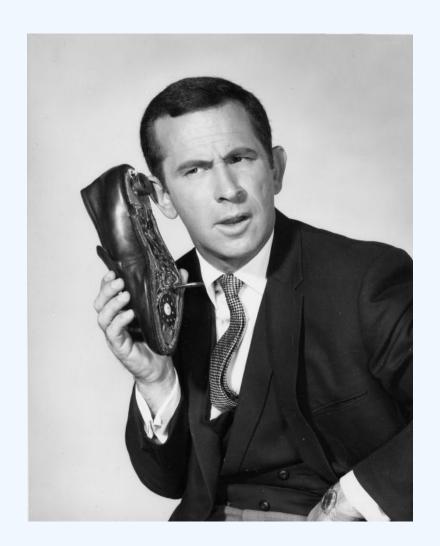








- . SQL database
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- . SQL database
- Hadoop cluster
- Flat files









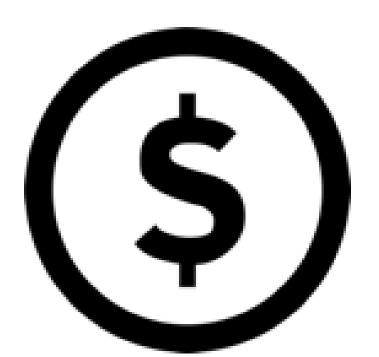


The models

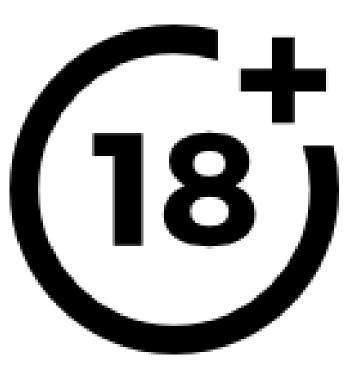
Interest Profiling Scoring Segmentation

Gender Prediction Age Prediction

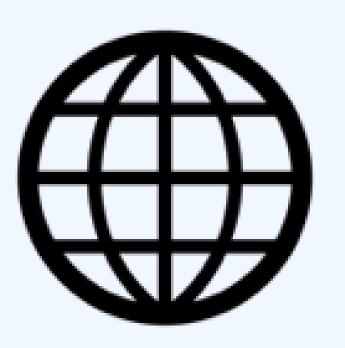










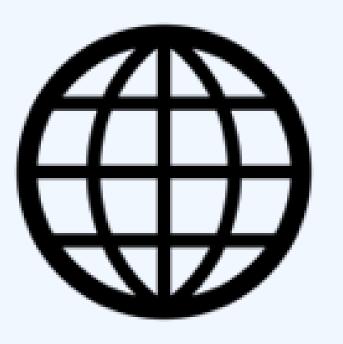








Open Catalog of Web Domains







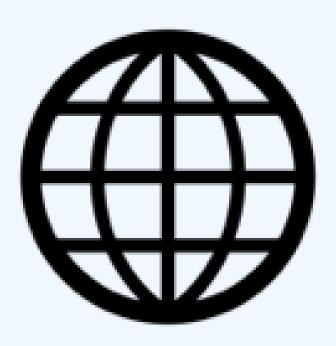
















Life tip:

Research for what is done already









Scoring Segmentation









Scoring Segmentation



Fuzzy C-Means from e1071







Scoring Seg

Life tip:

Often, a good-enough model is enough

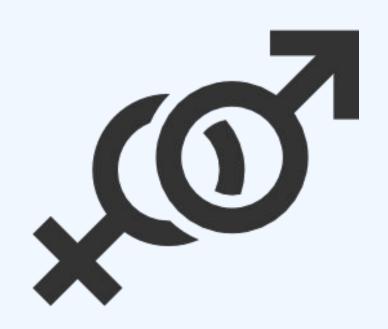
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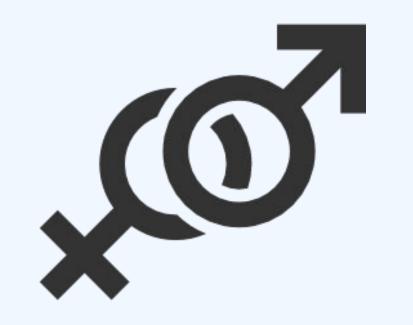








Logistic Lasso Regression from glmnet

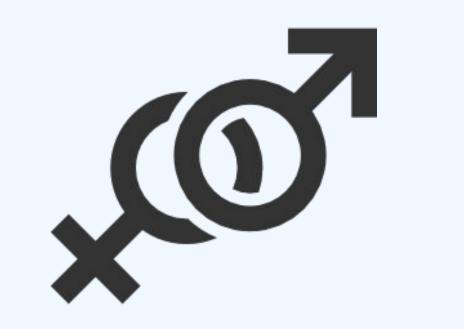




















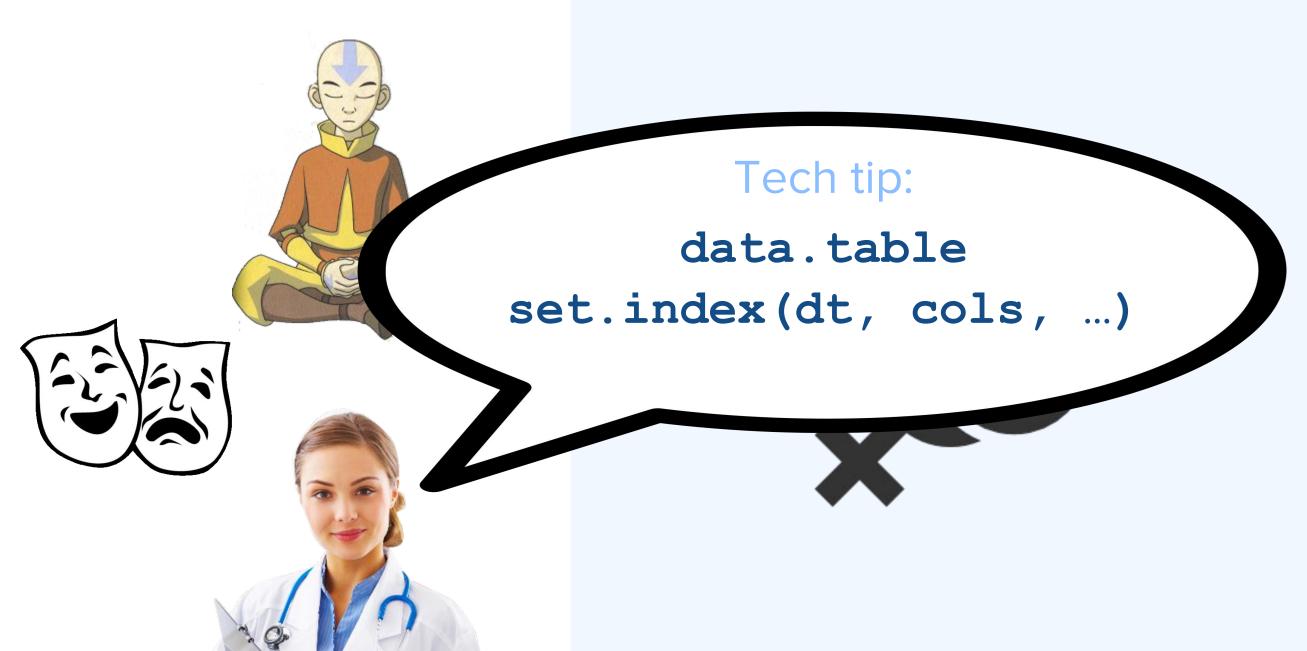
Tech tip:

data.table







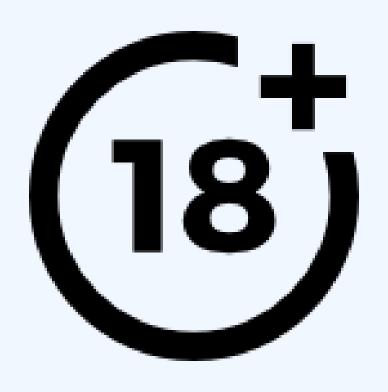




Age Prediction









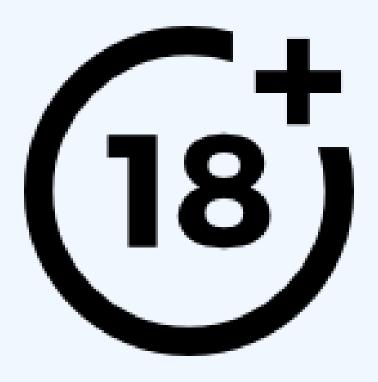


Age Prediction





Factor Analysis from FactoMineR



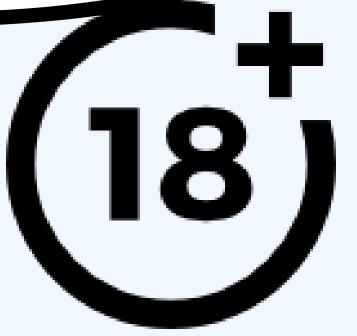




Age Prediction





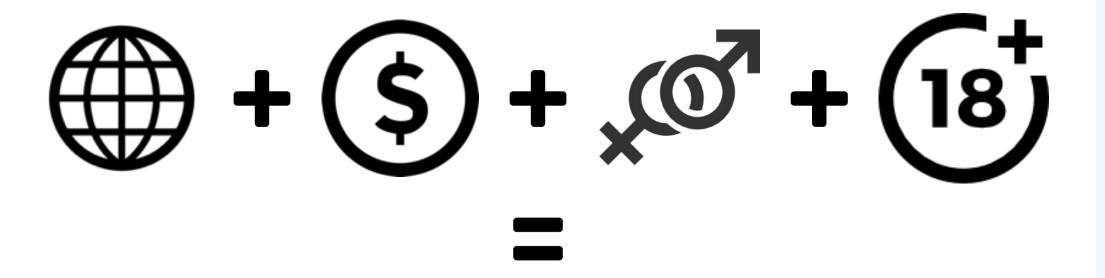




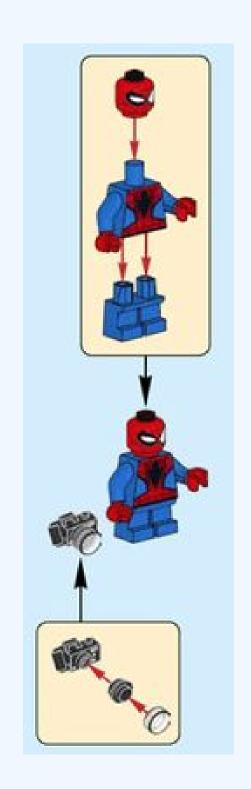


MineR

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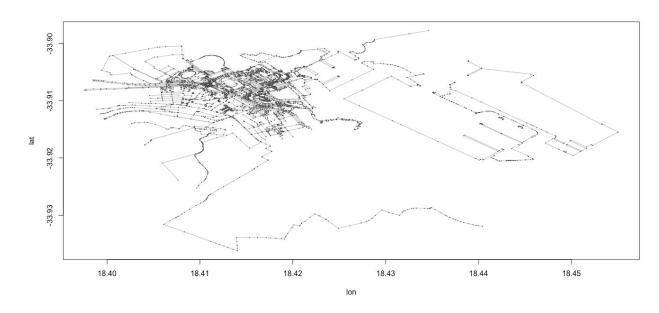


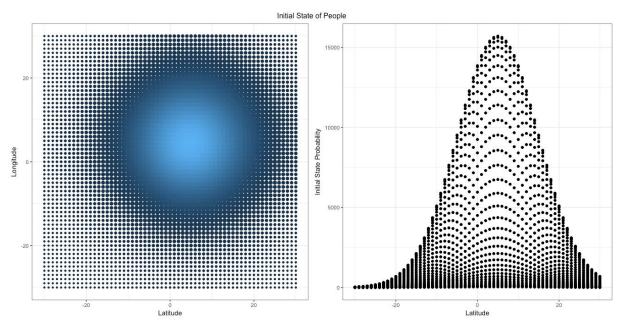


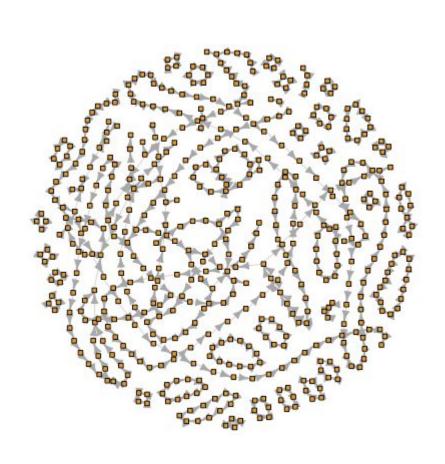


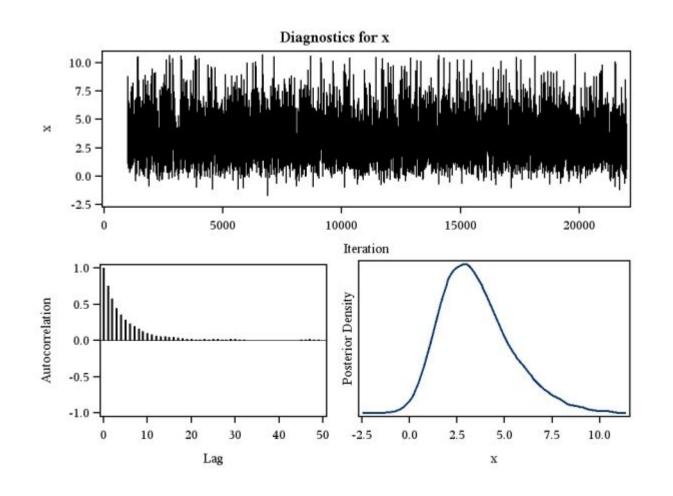








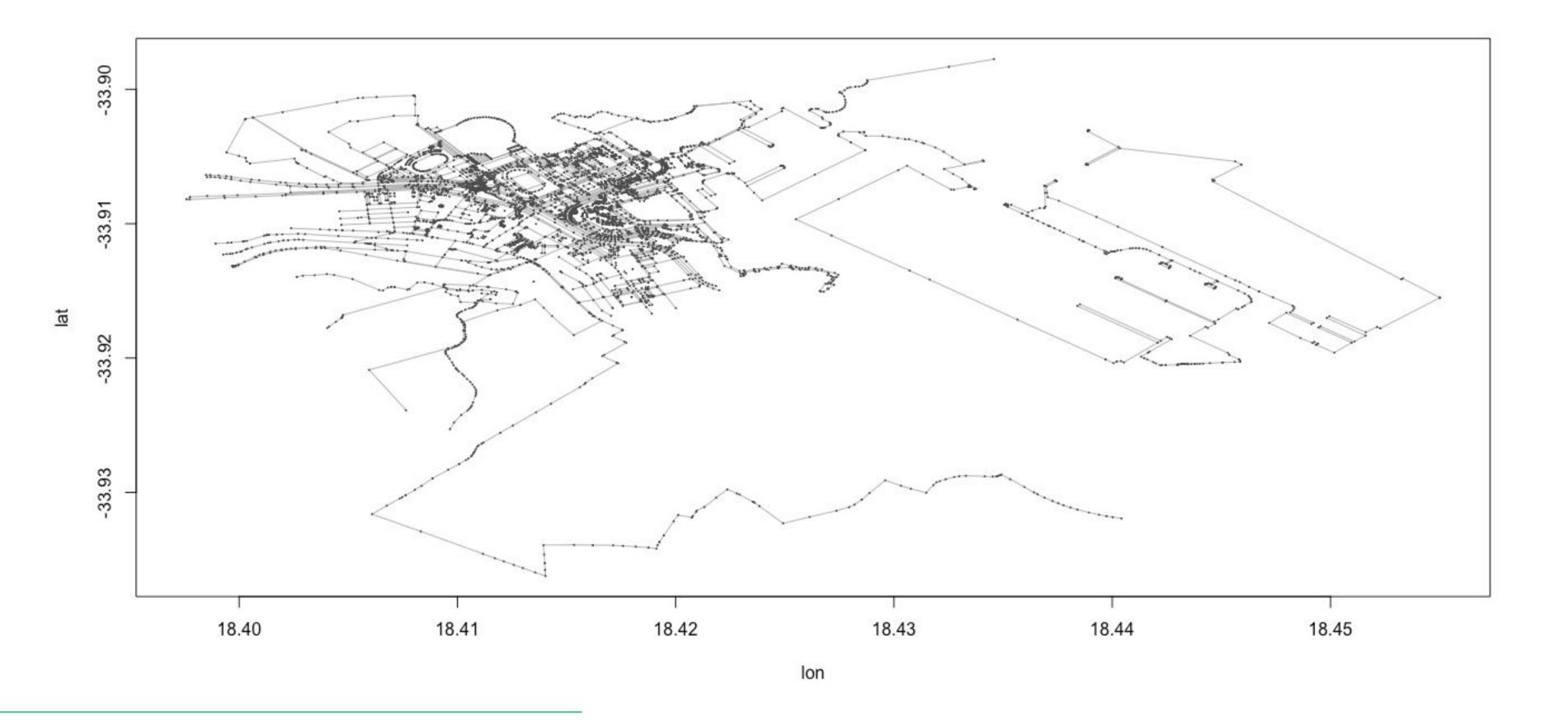






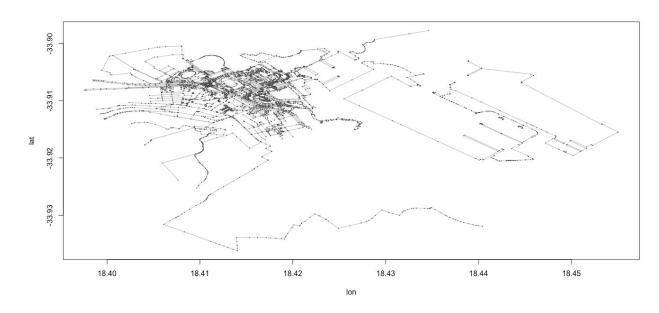


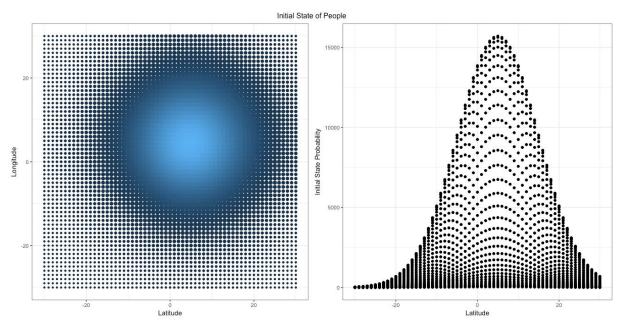
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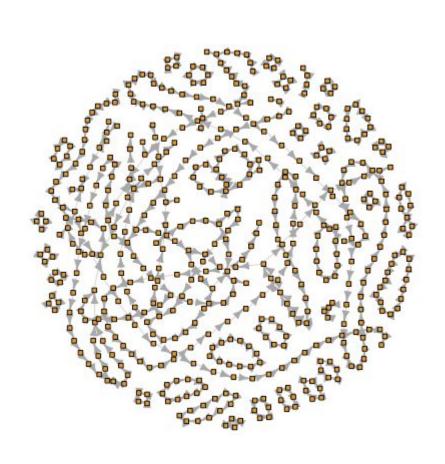


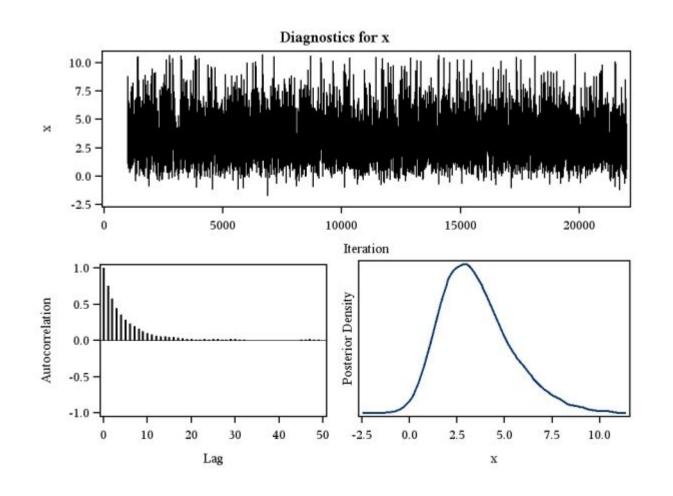








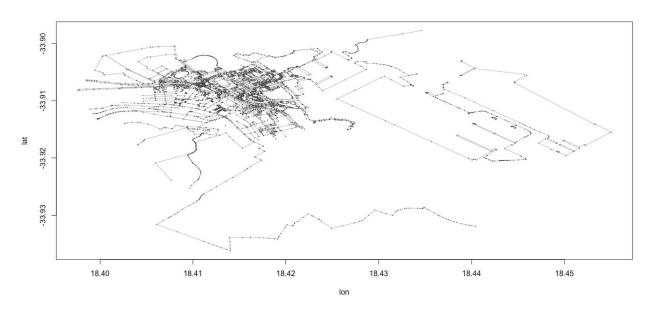


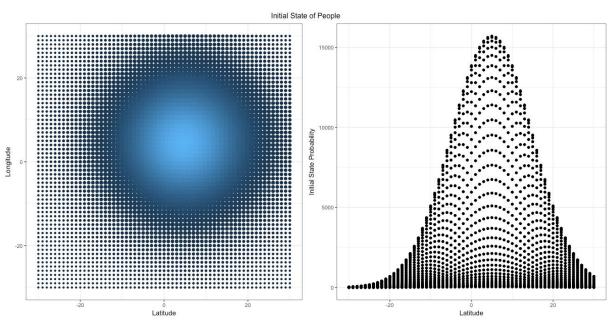


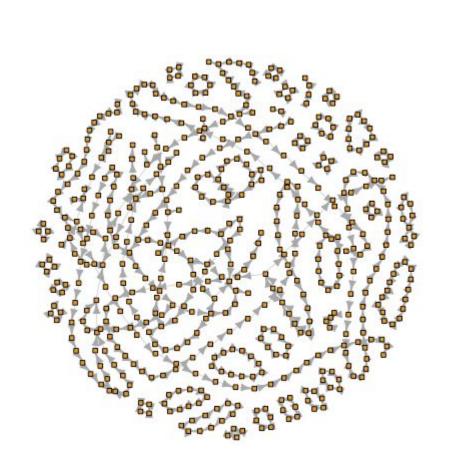


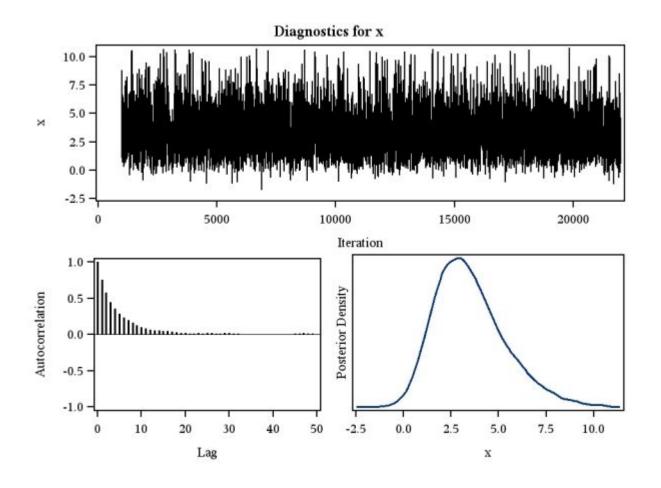


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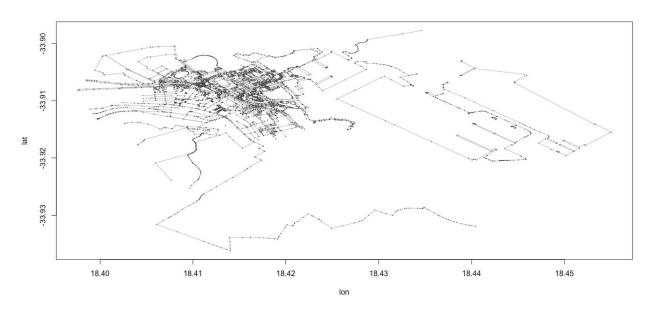


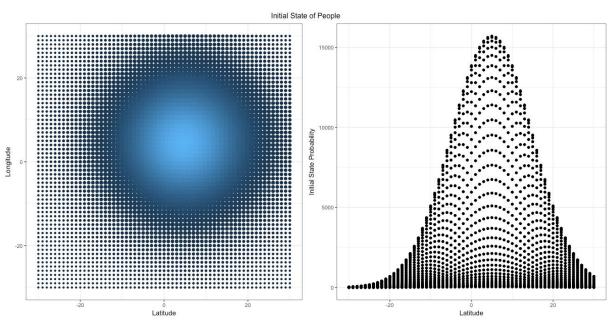


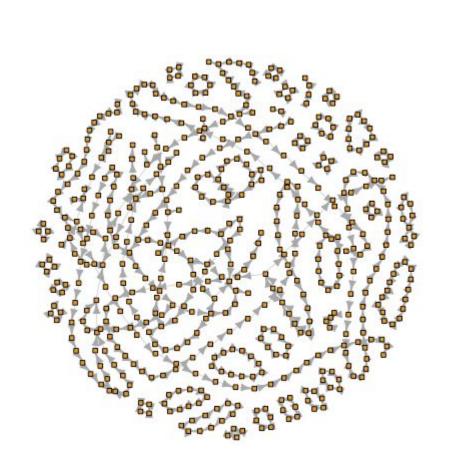


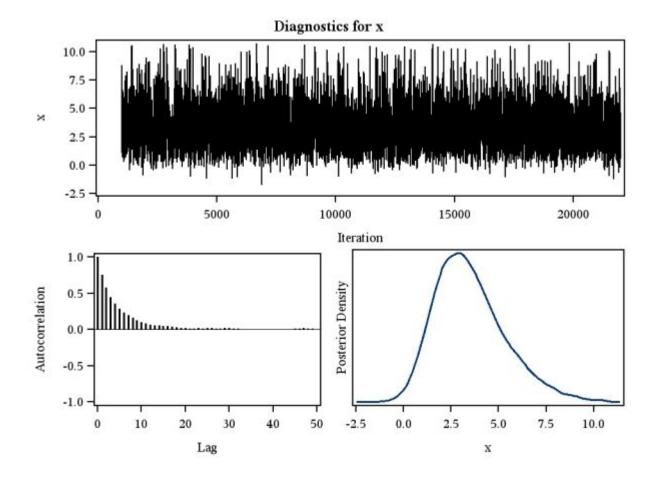










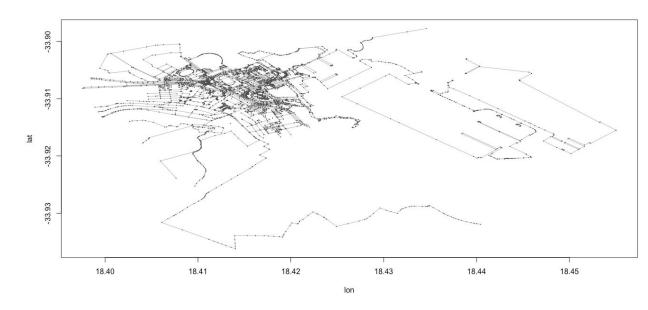


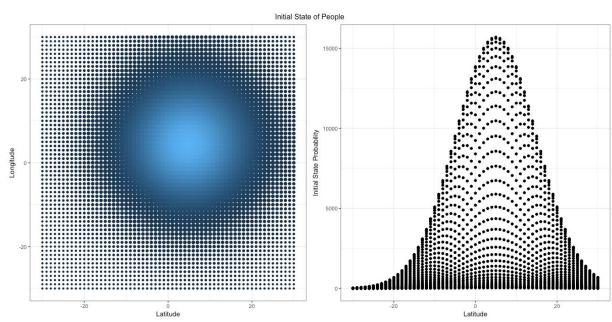


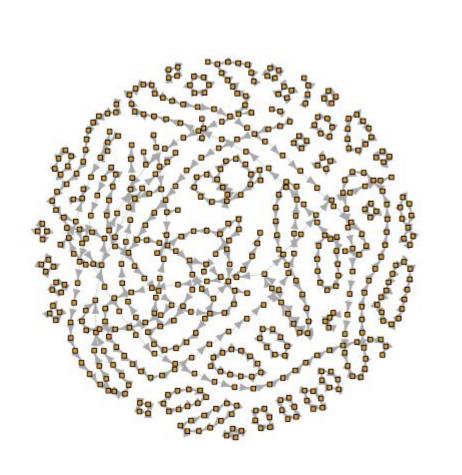


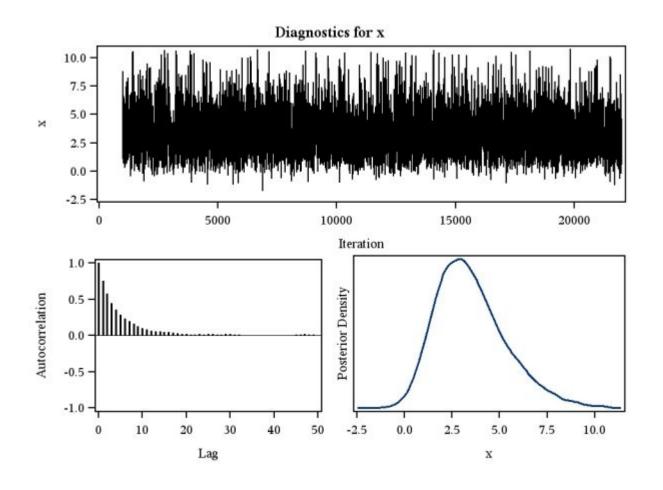
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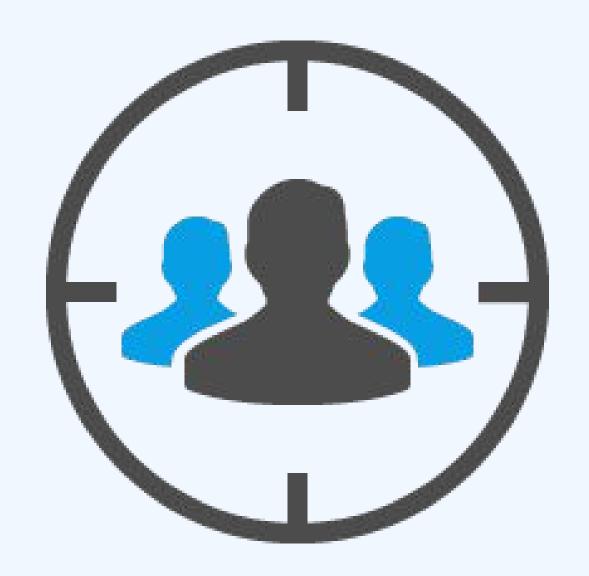
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Reach out!

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