

STA130 Winter 2022, Tutorial 3

Ente Kang

University of Toronto

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To all those celebrating,

Happy Lunar New Year, 春节快乐, 恭喜发财!



Statistical Inference 101

- Population
 - The data that you want to have
 - E.g. all the people in Canada, all the users of Wechat
- Sample
 - The data that you end up having access to (usually)
 - Your next best alternative
 - E.g. Canadians that are in Ontario, users of Wechat at 9:22pm
- Parameter
 - A measurement or characteristic that you want to learn about
 - The average, proportion, frequency etc.
- Estimator
 - Your estimate for the parameter

You estimate a parameter based on a sample of your population of interest.