

Popular Science

Seminar Series 4

DK 1, C17, Faculty Science
9 May 2017 (Tuesday)
2.00 - 2.30 pm



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Family, Money, Landslide – Statistical Modeling and Uncertainty

It is a common belief that our grandmothers' families are larger than our mothers' families. The descriptive statistic is used to visualize this belief. One purpose of statistical inference is to determine whether this common belief is acceptable. Beyond that the statistical modeling is used to determine the cause of this phenomenon by explaining the causal-effect relationship so that we can predict the effect for a given cause. Due to its ability to explain the causal-effect relationship, the statistical modeling is an important tool in money matter and even disaster prediction. Due to reliance of statistical modeling on sampled data, the prediction made by the model is not totally error free. In other word statistical modeling encounter uncertainty in its prediction.