

Confidence Intervals of FAR and FRR for Large Biometric Data

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Is Binomial estimated confidence Interval of far/frr an adequate measurement?

- NIST Proprietary Fingerprint Template II Evaluation (PFT II) dataset
- Sample size $N = 120k$
- Comparison between Variance(empirical) and Variance(binomial)
- Comparison of Confidence Intervals:
mean(empirical), binomial, and Bootstrap
- Results

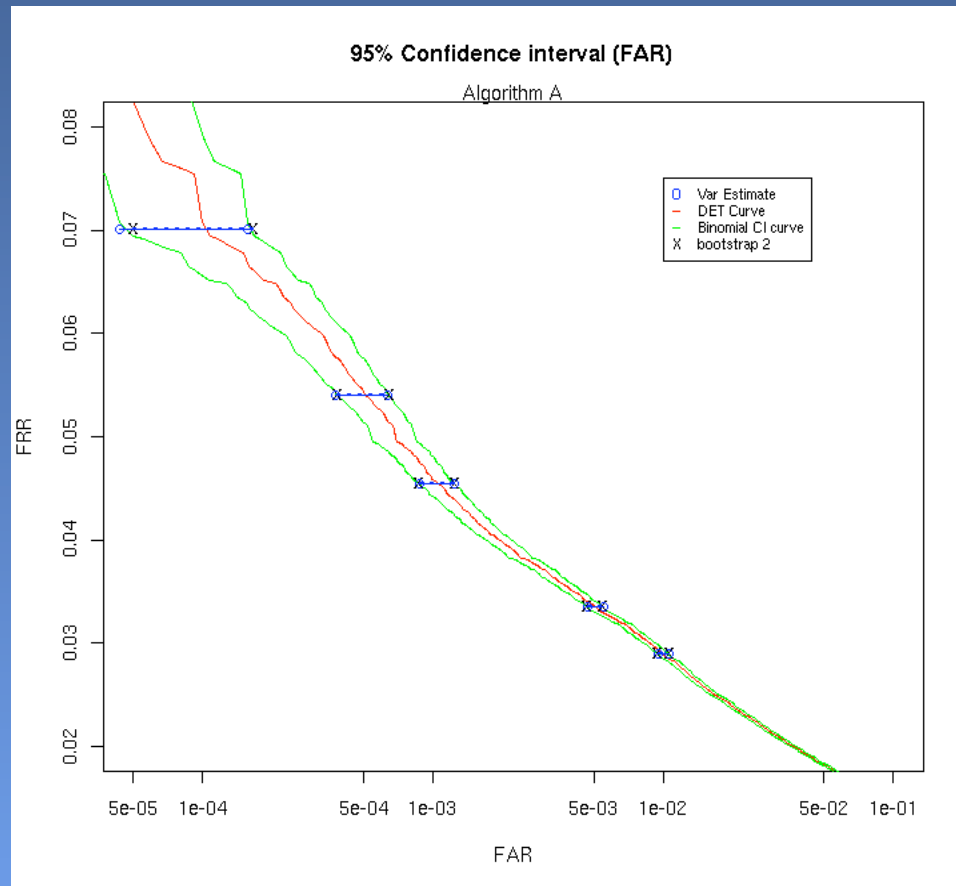


Figure 1

Thank You!