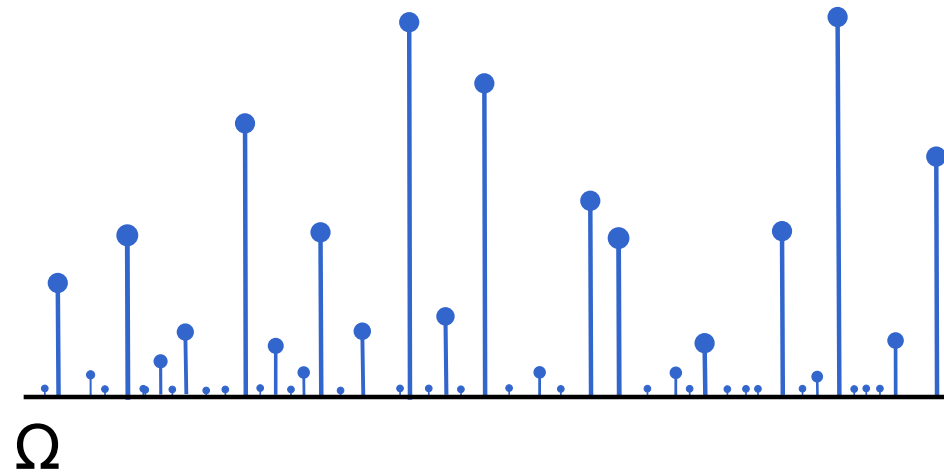


Generic finite approximations for practical Bayesian nonparametrics

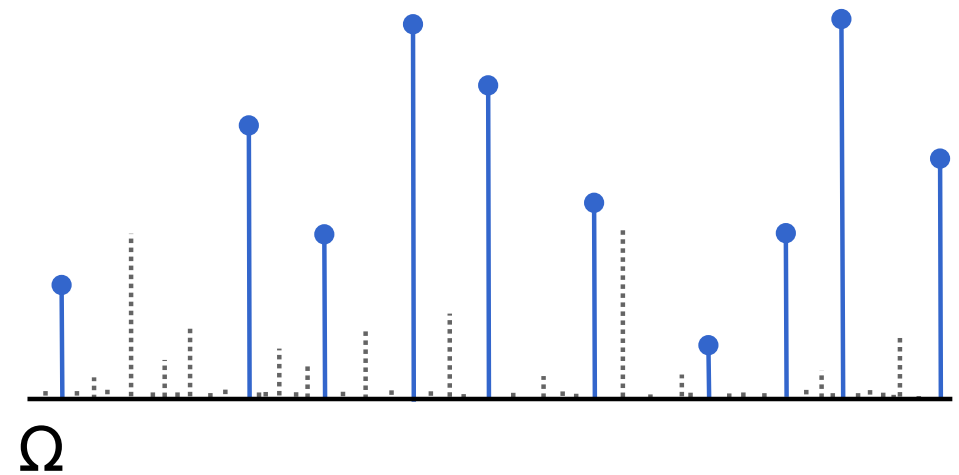
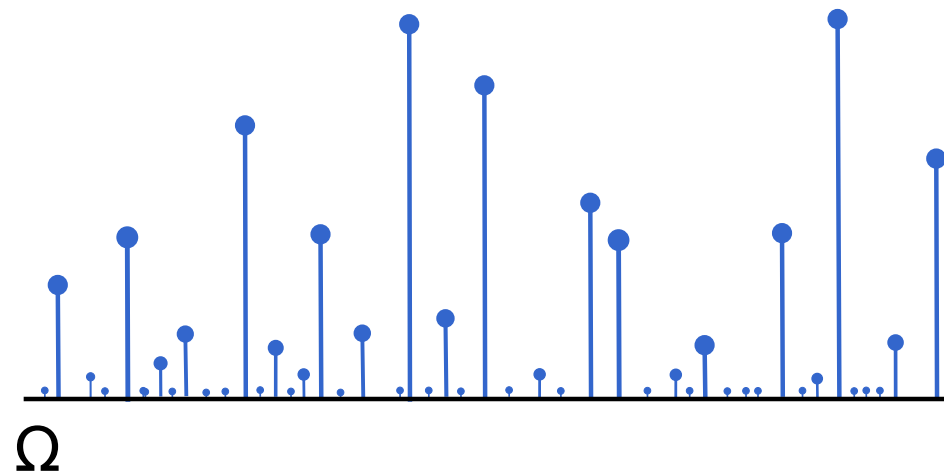
Jonathan H. Huggins, Lorenzo Masoero,
Lester Mackey, and Tamara Broderick

Generic BNP Inference

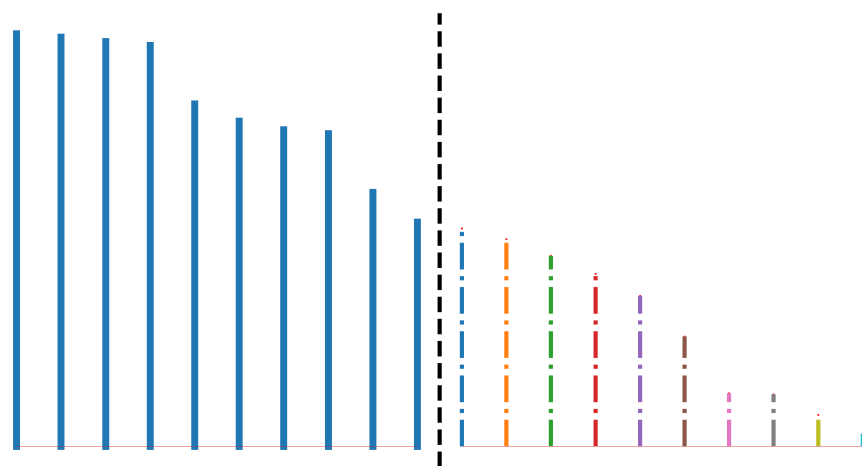
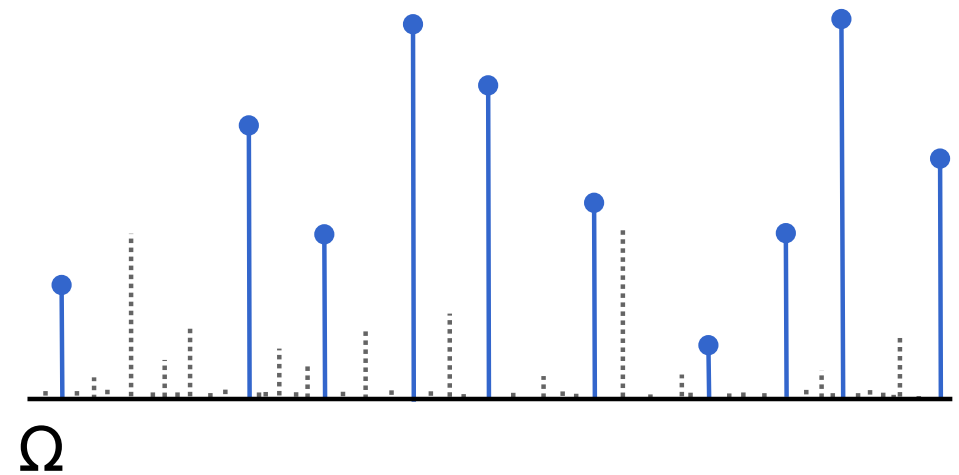
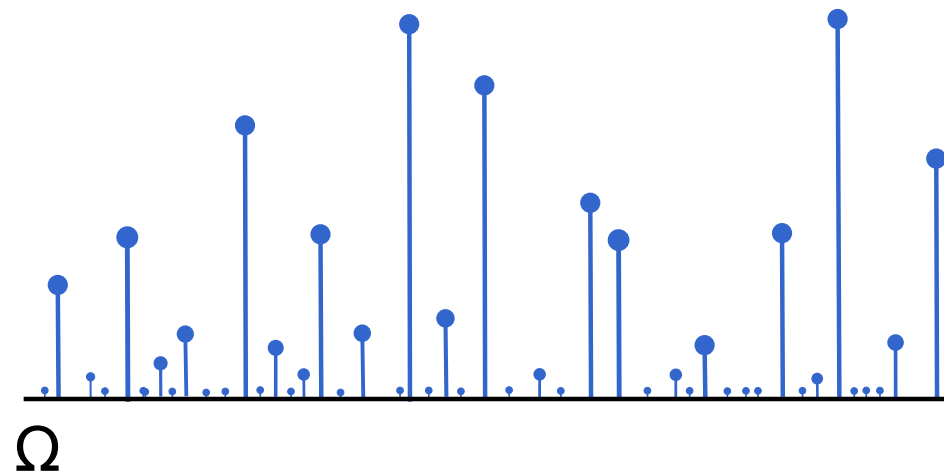
Generic BNP Inference



Generic BNP Inference

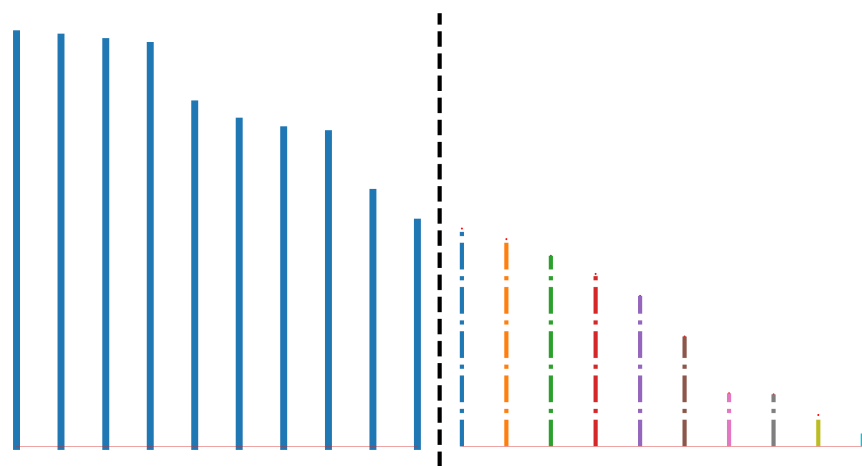
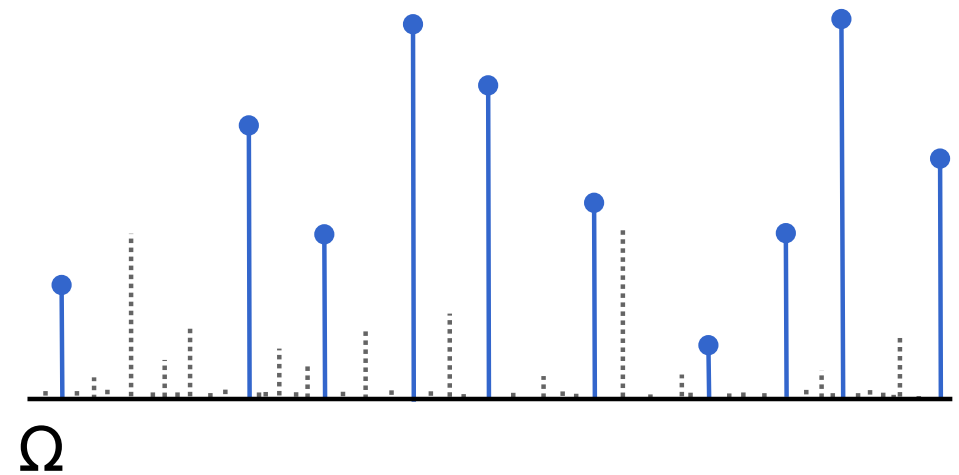
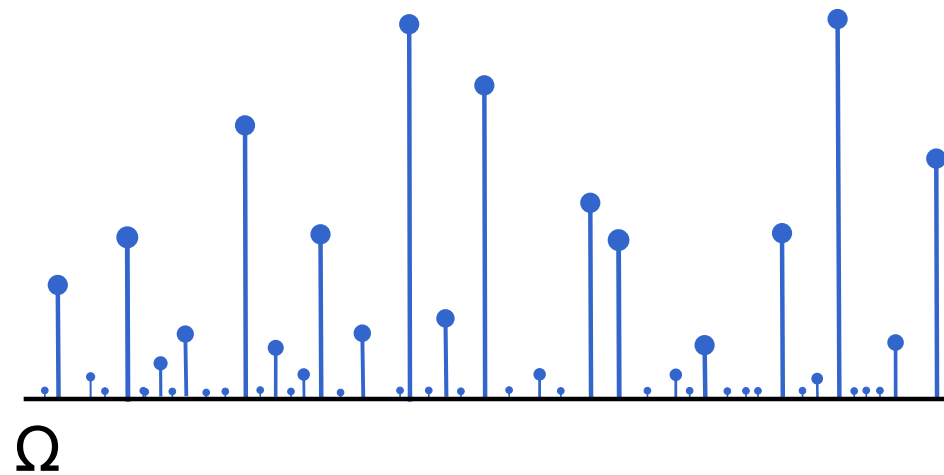


Generic BNP Inference

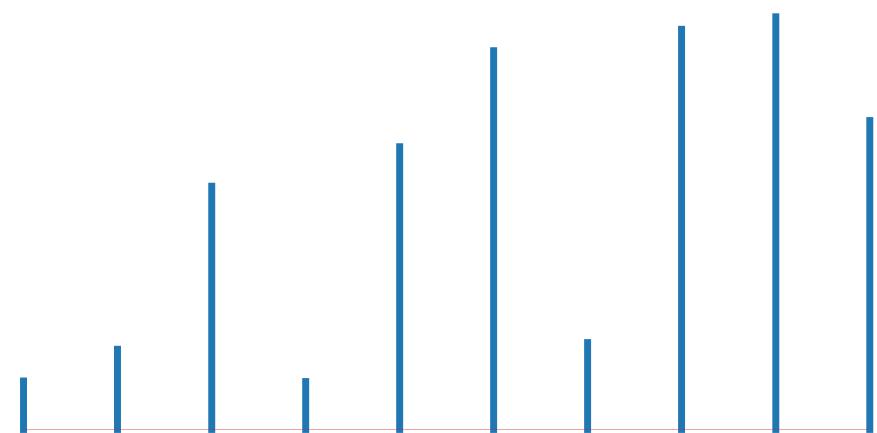


Truncated finite approx.

Generic BNP Inference

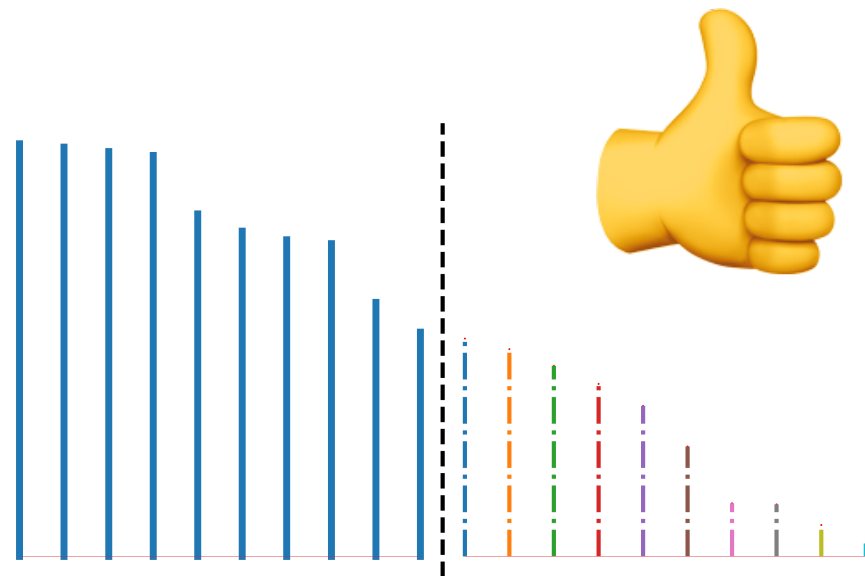
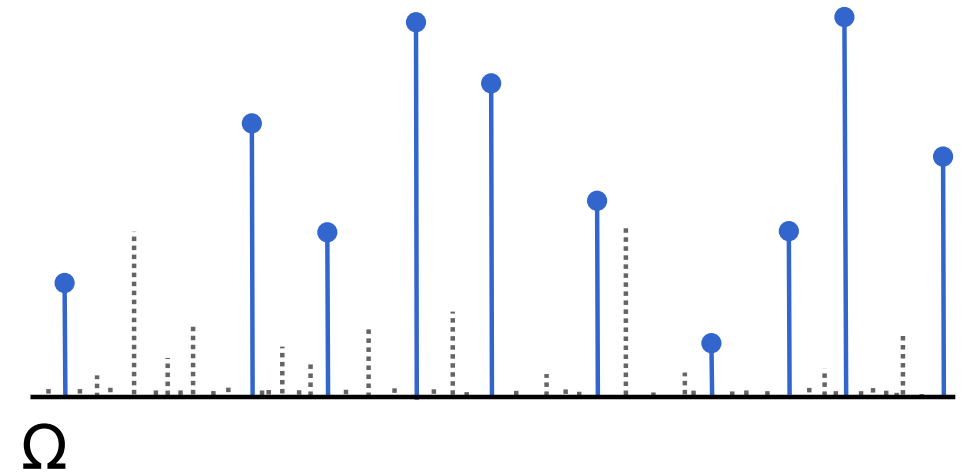
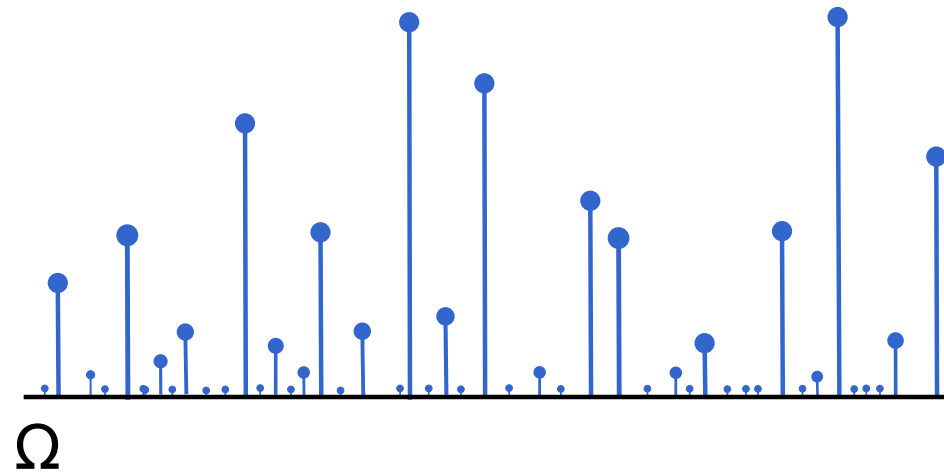


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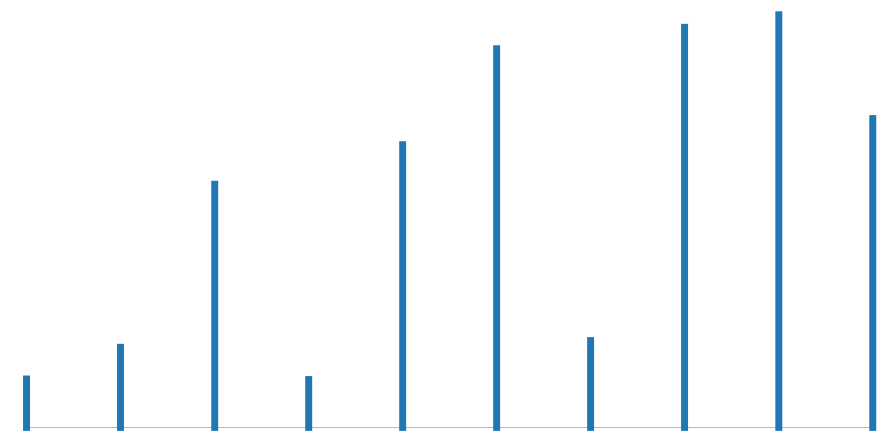


Non-nested finite approx.

Generic BNP Inference

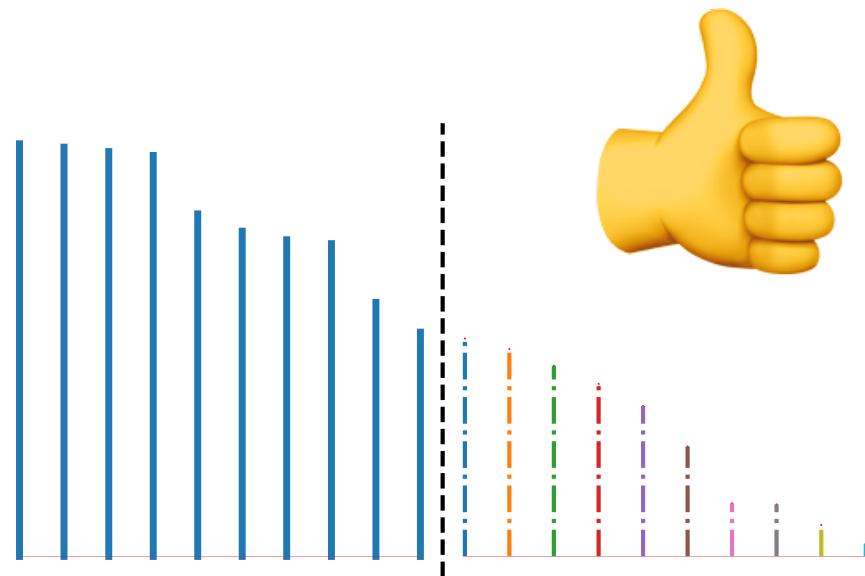
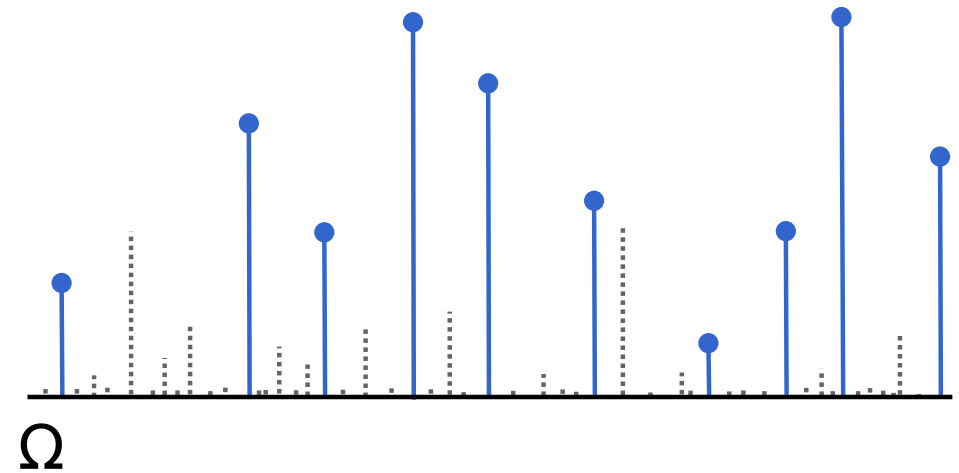
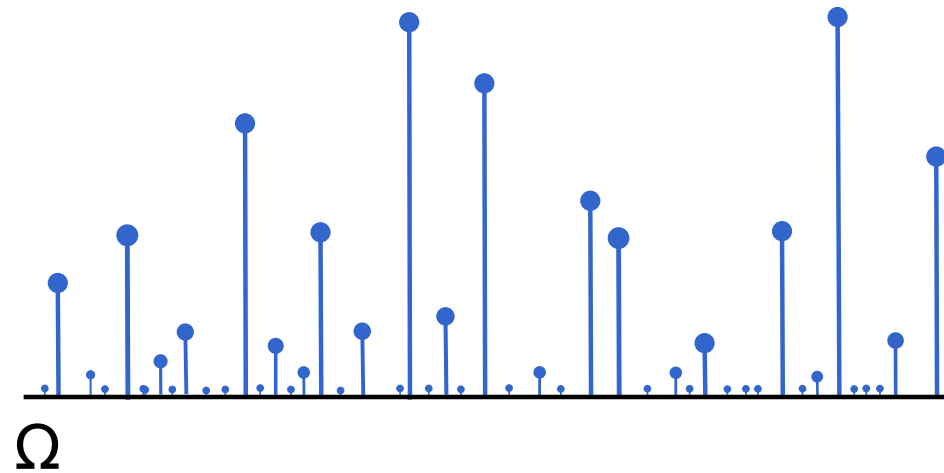


Truncated finite approx.

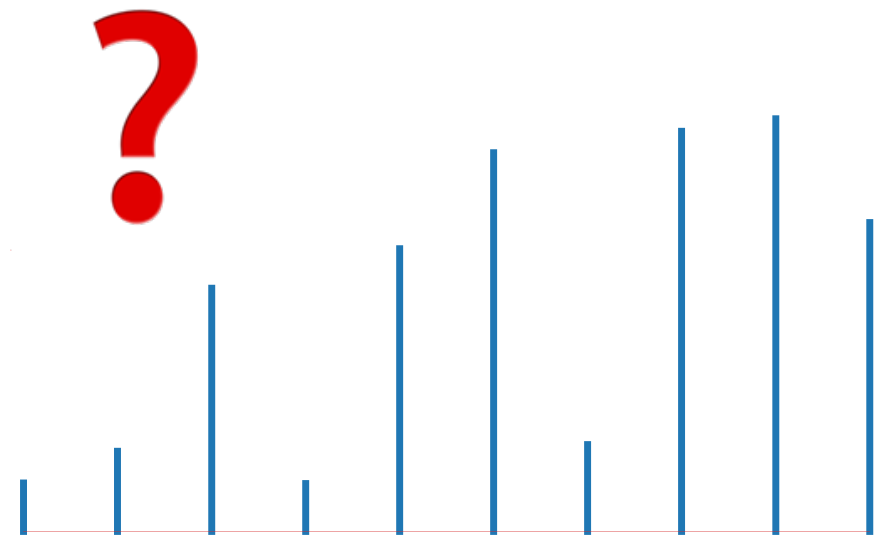


Non-nested finite approx.

Generic BNP Inference



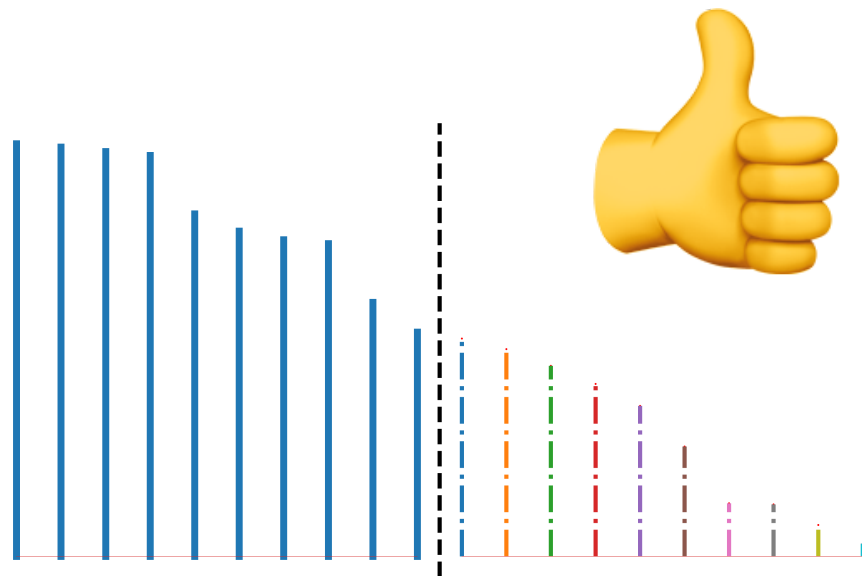
Truncated finite approx.



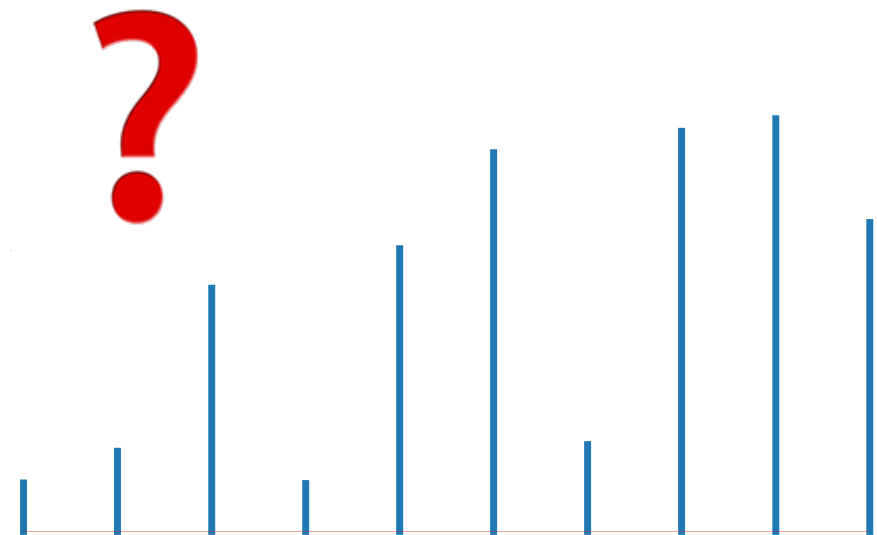
Non-nested finite approx.

Generic BNP Inference

Contribution #1: show how to automatically construct non-nested finite approx.



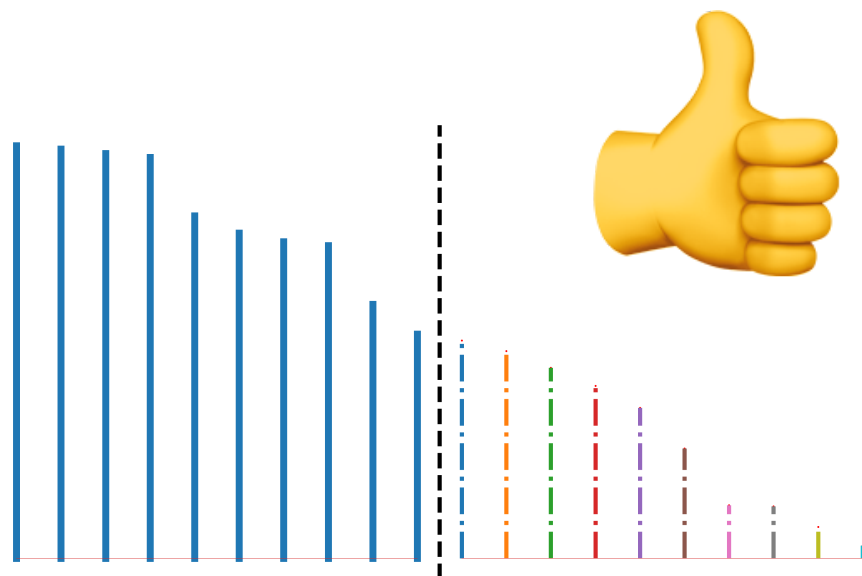
Truncated finite approx.



Non-nested finite approx.

Generic BNP Inference

Contribution #1: show how to automatically construct non-nested finite approx.



Truncated finite approx.

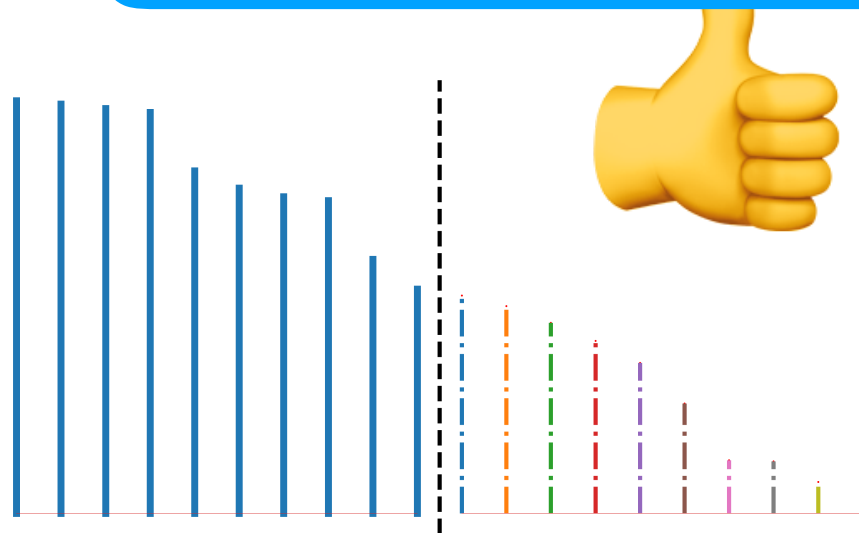


Non-nested finite approx.

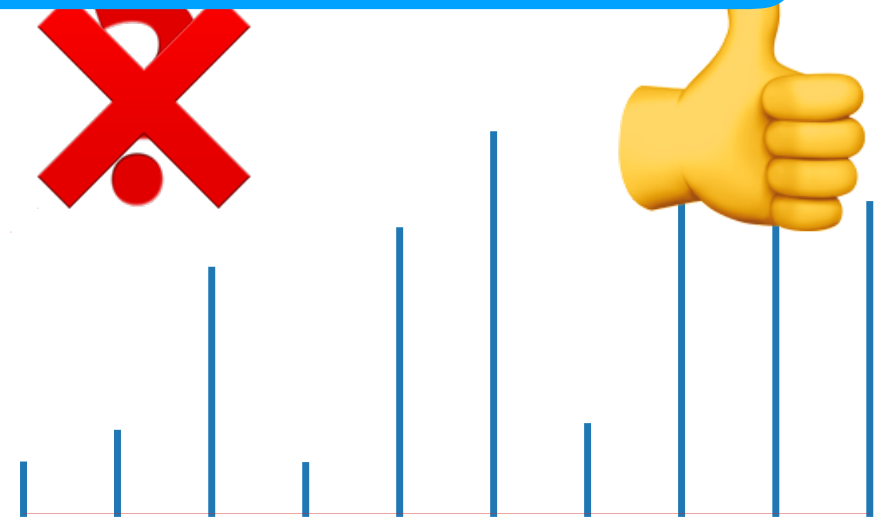
Generic BNP Inference

Contribution #1: show how to automatically construct non-nested finite approx.

Contribution #2: show feasibility of implementing BNP models in Stan



Truncated finite approx.



Non-nested finite approx.