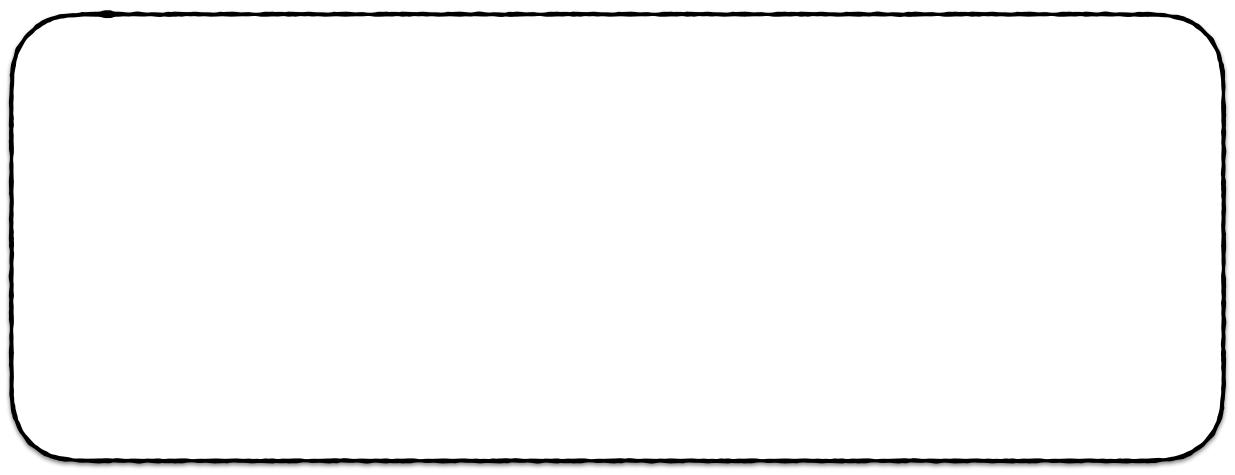
"Theorem": works great, if you run for exponentially long.

PINQ: Privacy Integrated Queries



- Let M(A): repeat until happy ...
 - 1. Use the exp mech to pick a PINQ program **p**,

Evaluate **p** on the the actual data **A**. (call it **m**).
Update estimated distribution **D**, using MCMC.

$$score(A, p) = -log Pr(p(A) I D).$$

"Practice": works great, if you run for exponentially long.







```
score(A, p) = -log Pr(p(A) I D).
```



Counting, Choosing, MWEM, PINQ



Caution: Scientists at work*

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