**Hang The D.J.**

*Better Dating Through Algorithms*

**Infinity, Probability, Time**

* [Infinite Monkey Theorem](https://en.wikipedia.org/wiki/Infinite_monkey_theorem)
* [Anthropic Principle](https://en.wikipedia.org/wiki/Anthropic_principle)
* [Natural Selection](https://en.wikipedia.org/wiki/Natural_selection)
* [Evolutionary Algorithms](https://en.wikipedia.org/wiki/Evolutionary_algorithm)

**[X] [X] [X] [X] [X] [X] [X] [X] [X] [X]**

**| | | | | | | | | |**

**[A] [B] [C] [D] [E] [F] [G] [H] [I] [J]**

* Given **1000** ***Sims Per Account***and **10 *Accounts***
* Total Simulations = **10,000 Per User Query**
* **O(N^2)** ([Exponential Time Complexity](https://en.wikipedia.org/wiki/Time_complexity))
  + **1,000,000 Accounts** 🡪 1,000,000,000 Sims Per Query
  + 1,000,000,000,000,000 (1 Quadrillion) Total

***\*Population of USA in 2016 was 323 million.***

***\*In 2014 the “Tinder” App had 50 million users worldwide.***