

























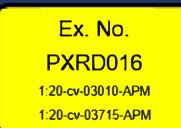






# United States & Co-Plaintiff States v. Google LLC

Professor James Allan, Ph.D.





## Trial Testimony of Eric Lehman



- Q. Navboost trains on about 13 months of user data; right?
- A. That is my understanding. Now, the word "trains" here might be a little misleading. Navboost is not a machine learning system. It's just a big table. It says for this document -- sorry, for this search query, this document got two clicks. For this query, this document got three clicks, this -- and so on. And it's aggregated, and there's a little bit of extra data. But you can think of it as just a giant table.

### **Inverted Index**

#### **DOCUMENT 1**

The bright blue butterfly hangs on the breeze

#### **DOCUMENT 2**

It's best to forget the great sky and to retire from the world

#### **DOCUMENT 3**

The need to search the bright blue sky

