# Visual Datasets and Bias

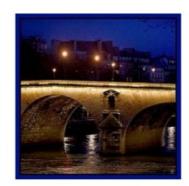
Do datasets provide a *good* representation of the world?

### Visual Data is Inherently Biased

- Internet is a tremendous repository of visual data (Flickr, YouTube, Picassa, etc)
- But it's <u>not</u> random samples of visual world



### **Flickr Paris**





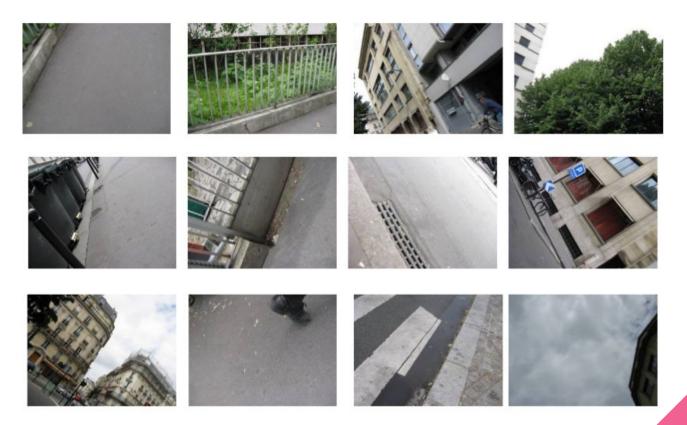








## Sampled Alyosha Efros's Paris



## **Sampling Bias**

People like to take pictures on vacation



### **Photographer Bias**

 People want their pictures to be recognizable and/or interesting



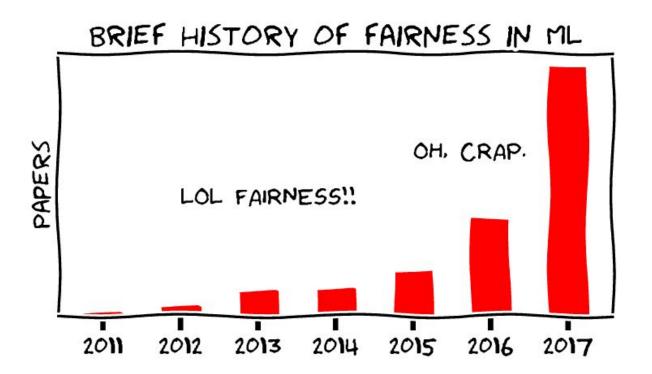
VS.



### **Social Bias**



"100 Special Moments" by Jason Salavon



### Where does bias come from?

#### Collection:

Demographic, geographic, behavioral, temporal biases,

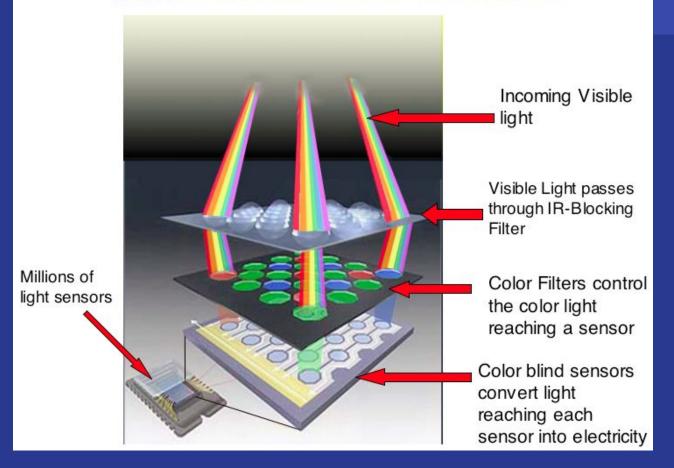
#### Measurement:

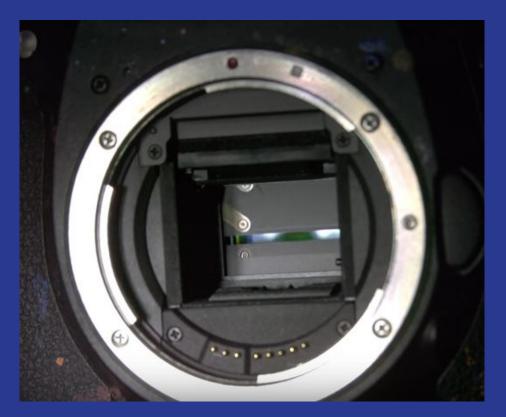
What do we choose to measure? How do we measure (e.g., grit)?

#### **Pre-existing biases**

gender roles in text and images, racial stereotypes in language

### **RGB** Inside the Camera





https://www.youtube.com/watch?v=CmjeCchGRQo&t=361s