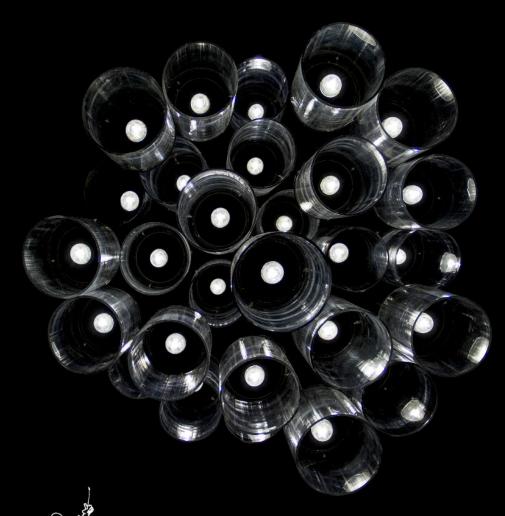
## Deloitte.



#### **RIFFING ON ANALYTICS**

The Music in Data Science Leuven, May 2018

#### Thesis

Data science is a combination of art and science, just like music....







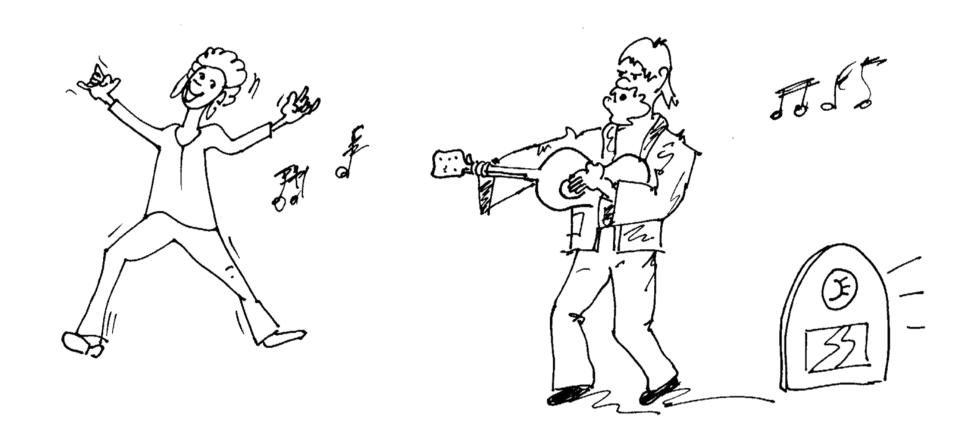
**Genres** 



**Your Project** 

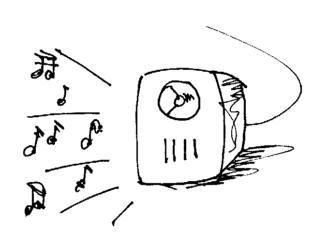
#### How our brain reacts to music

"...your brain **predicts** the reward that you'll feel from a given piece of music based on similar types of music you've heard before. If you like it better than predicted, it registers as **intense pleasure**..."

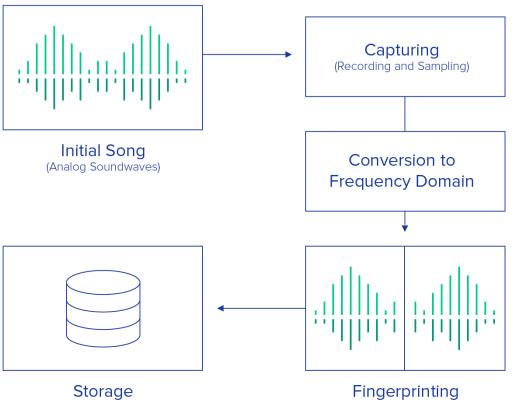


#### Al mimics basic human experiences to create augmented services

Song identification services like Shazam aim at **augmenting** our music experience by focusing on the parts where Al has the advances of massive databases and shared resources



## Processing Pipeline

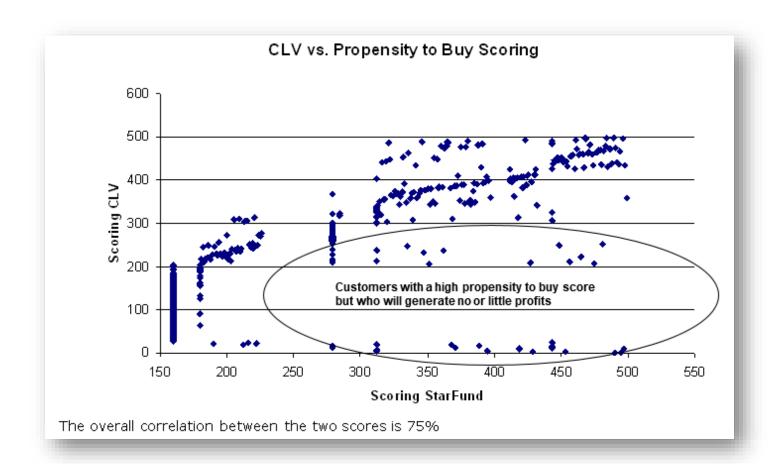






Dale Smith

# Data Science to keep steady: Classical Music Customer Lifetime Value Prediction in Banking





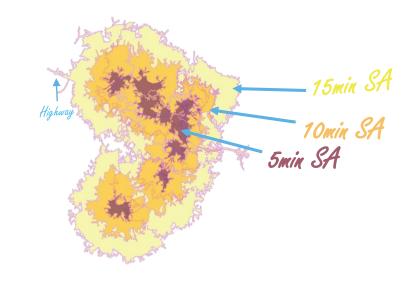
#### Data Science for setting the beat: R&B

Optimizing the location of fire stations

#### Current locations







#### Data Science as Innovation Engine: Electro

Bringing big insights to hospitals: Agfa Healthcare



### 92,000 professionals dedicated to patients and their families

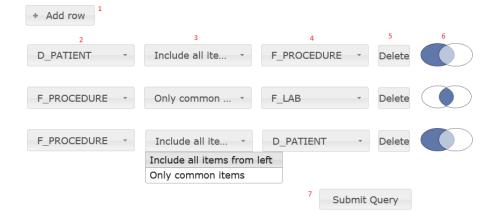
- 22,000 physicians
- 51,000 paramedical professionals
- The Paris area's leading employer

### Providing to the best medical care to all

#### Every year:

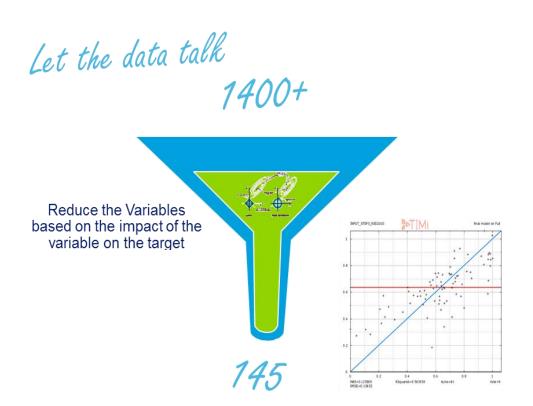
- 7 million patients
- 38,000 births
- Over 200,000 surgical procedures



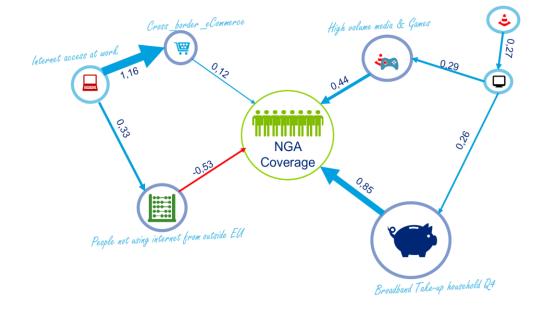


### Data Science as common denominator: Pop

Understanding core drivers for the EU NGN Coverage







What about you? Finding the music in your projects



#### Takeaway

We should think about data science like music





