

VISUAL ANALYTICS INTRODUCTION TO PROJECT + TABLEAU

TUTORIAL 1

Petra Isenberg

PROJECT

VIS for Good Challenge

THE POWER OF VISUALIZATION

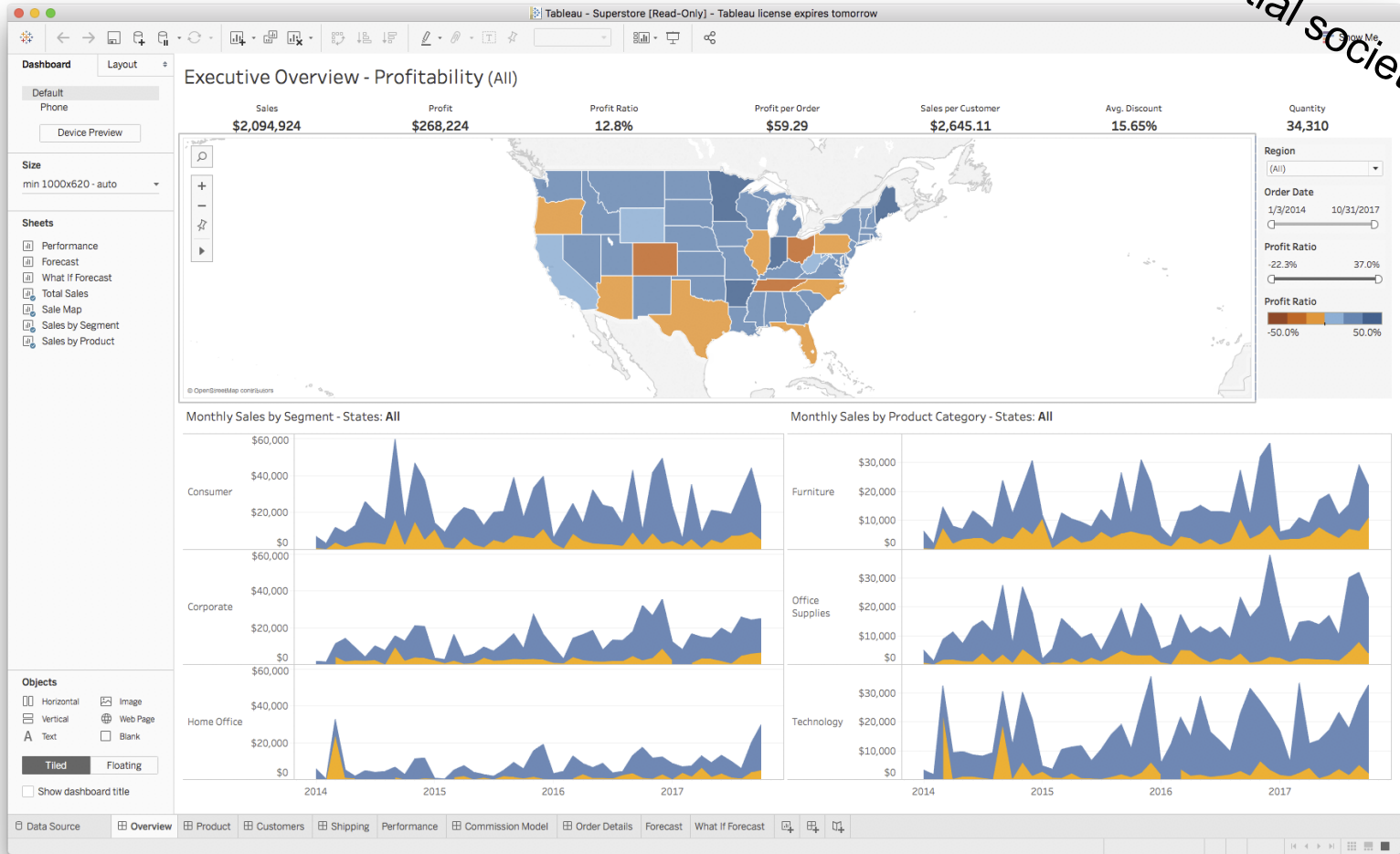
- The data we collect and visualize can have a big impact on people
- Yet, visualizations are not neutral – and neither is your data collection, choice of variables etc.
- You can use visualization to try and achieve change, spark discussions, make yourself heard, ...

SOCIETAL IMPACT

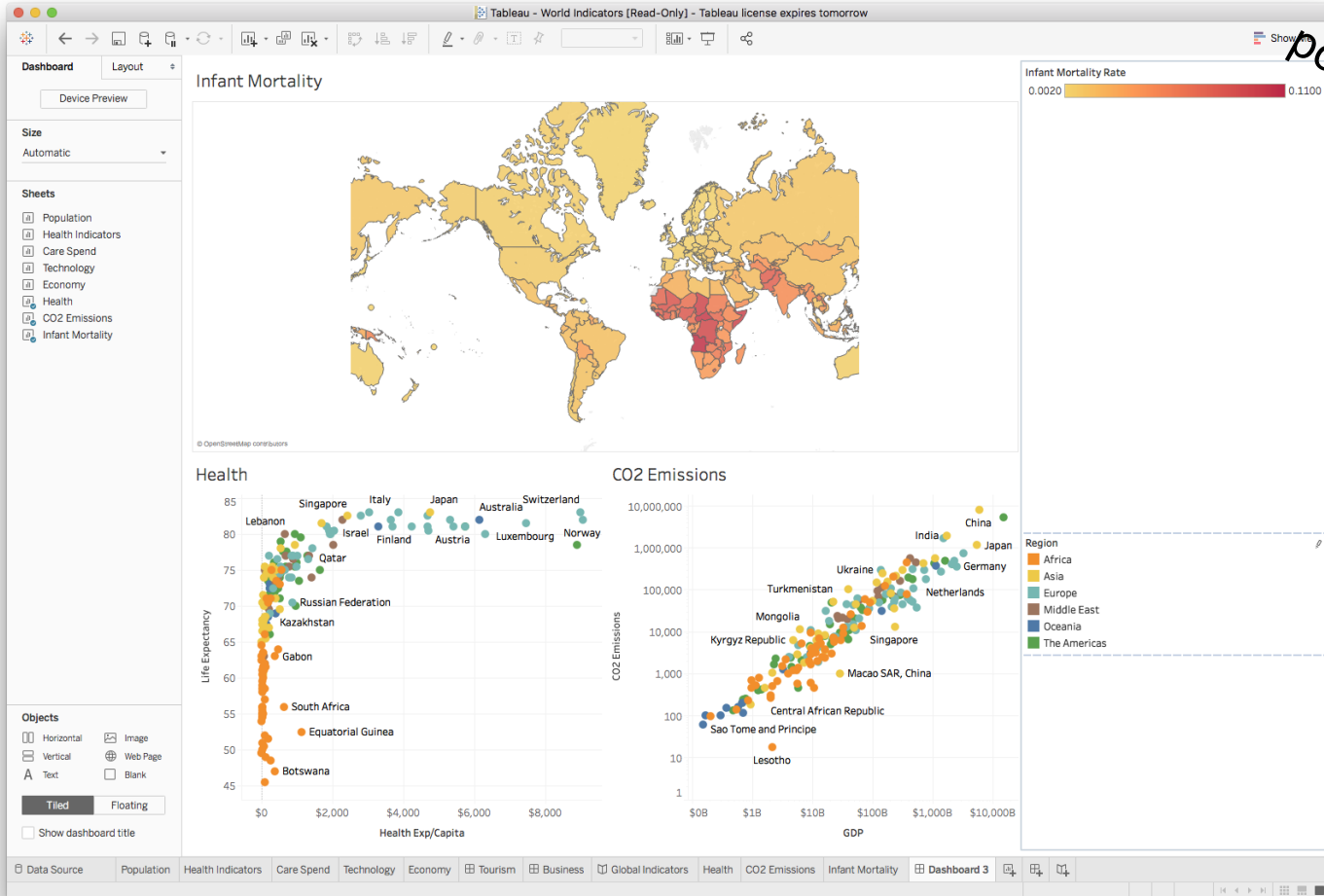
- Your task is to work on a final data visualization that has potential societal impact
- You pitch a topic that interests YOU
- You will work in groups of 2-3 students

FAKE SALES DATA

No potential societal impact



MORTALITY, HEALTH, CO2



potential societal impact

Small Arms and Ammunition — Imports & Exports

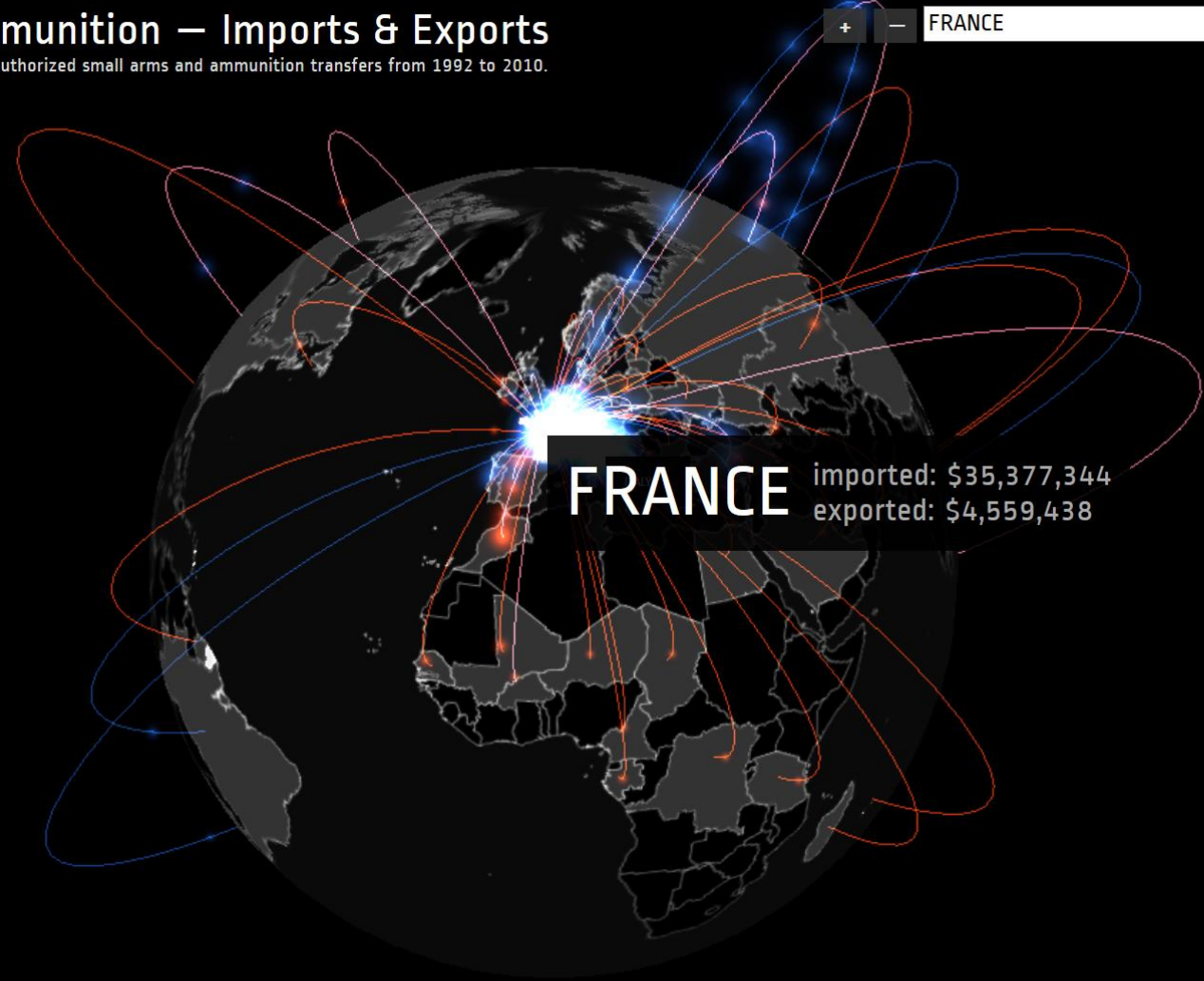
An interactive visualization of government-authorized small arms and ammunition transfers from 1992 to 2010.

+ - FRANCE

SEARCH

ABOUT

\$35.4M
CIVILIAN
WEAPONS



\$4.56M
CIVILIAN
WEAPONS

MILITARY
CIVILIAN
AMMO

IMPORTS

EXPORTS





Visualization
Research
Explained



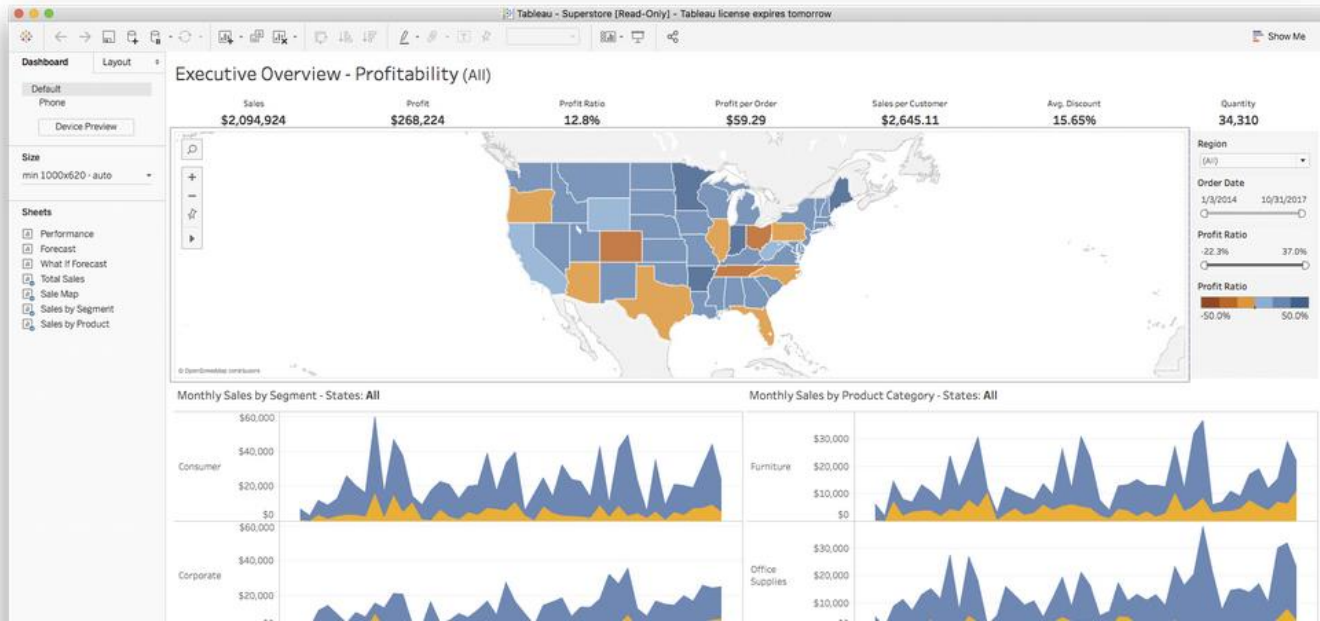
RECOMMENDED READ

Doing More With Sample Datasets



Michael Correll [Follow](#)

Nov 2, 2018 · 8 min read



**LETS START LOOKING AT SOME
VISUALS**

Current & Historical Data

The *World Justice Project (WJP) Rule of Law Index*[®] is a quantitative assessment tool designed by the World Justice Project to offer a detailed and comprehensive picture of the extent to which countries adhere to the rule of law in practice.

Factors of the *WJP Rule of Law Index* include:

1. Constraints on Government Powers
2. Absence of Corruption
3. Open Government
4. Fundamental Rights
5. Order and Security
6. Regulatory Enforcement
7. Civil Justice
8. Criminal Justice

(Data is collected for a 9th factor, "Informal Justice," but it is not used in aggregated scores and rankings. This is due to the complexities of these systems and the difficulties in measuring their fairness and effectiveness in a matter that is both systematic and comparable across countries.)

The following dataset presents the factors and sub-factor scores for the countries and jurisdictions included in each iteration of the Index since 2012, where 1 signifies the highest score and 0 signifies the lowest score.

[Our Work](#)

Research & Scholarship	+
Research and Data	-
WJP Rule of Law Index 2019	-
Download Report (PDF)	
Interactive Data	
Factors	+
Methodology	
Current & Historical Data	
Questionnaires	



Accountability

The government as well as private actors are accountable under the law.



Just Laws

The laws are clear, publicized, and stable; are applied evenly; and protect fundamental rights, including the security of persons and contract, property, and human rights.



Open Government

The processes by which the laws are enacted, administered, and enforced are accessible, fair, and efficient.



Accessible & Impartial Dispute Resolution

Justice is delivered timely by competent, ethical, and independent representatives and neutrals who are accessible, have adequate resources, and reflect the makeup of the communities they serve.



Constraints on Government Powers
(Factor 1)



Absence of Corruption
(Factor 2)



Open Government
(Factor 3)



Fundamental Rights
(Factor 4)



Order and Security
(Factor 5)



Regulatory Enforcement
(Factor 6)



Civil Justice
(Factor 7)



Criminal Justice
(Factor 8)



Informal Justice
(Factor 9)

YOUR ASSIGNMENT

FORM GROUPS

- Pitch 3 topics with potential impact to society
- Make a new google slide deck
- Add 1 slide per topic
- One each slide tell us:
 - 1) what is the topic
 - 2) what's the value of the topic to society
 - 3) why does it interest you

TOPIC 1: WORLD JUSTICE

Value to society: Corruption and the fairness of legal systems are not the same around the world. Safety, rights, justice, and governance around the world affect us all.

Interests: I travel a lot and I am interested in learning about justice systems in the countries I visit

OPEN TABLEAU...

Download the dataset from

<https://www.aviz.fr/TeachingVA2019/TutorialProjectTableau>