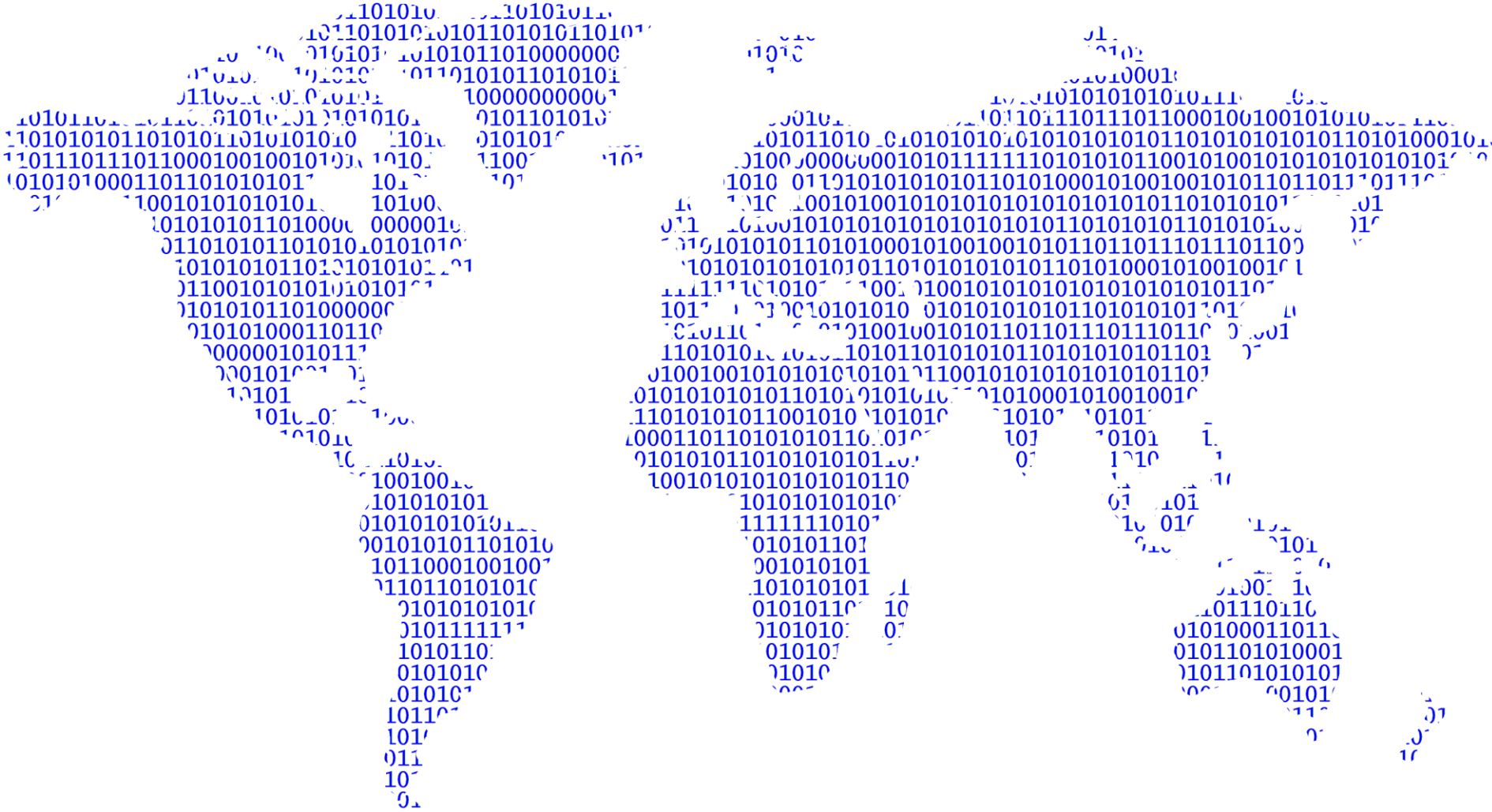
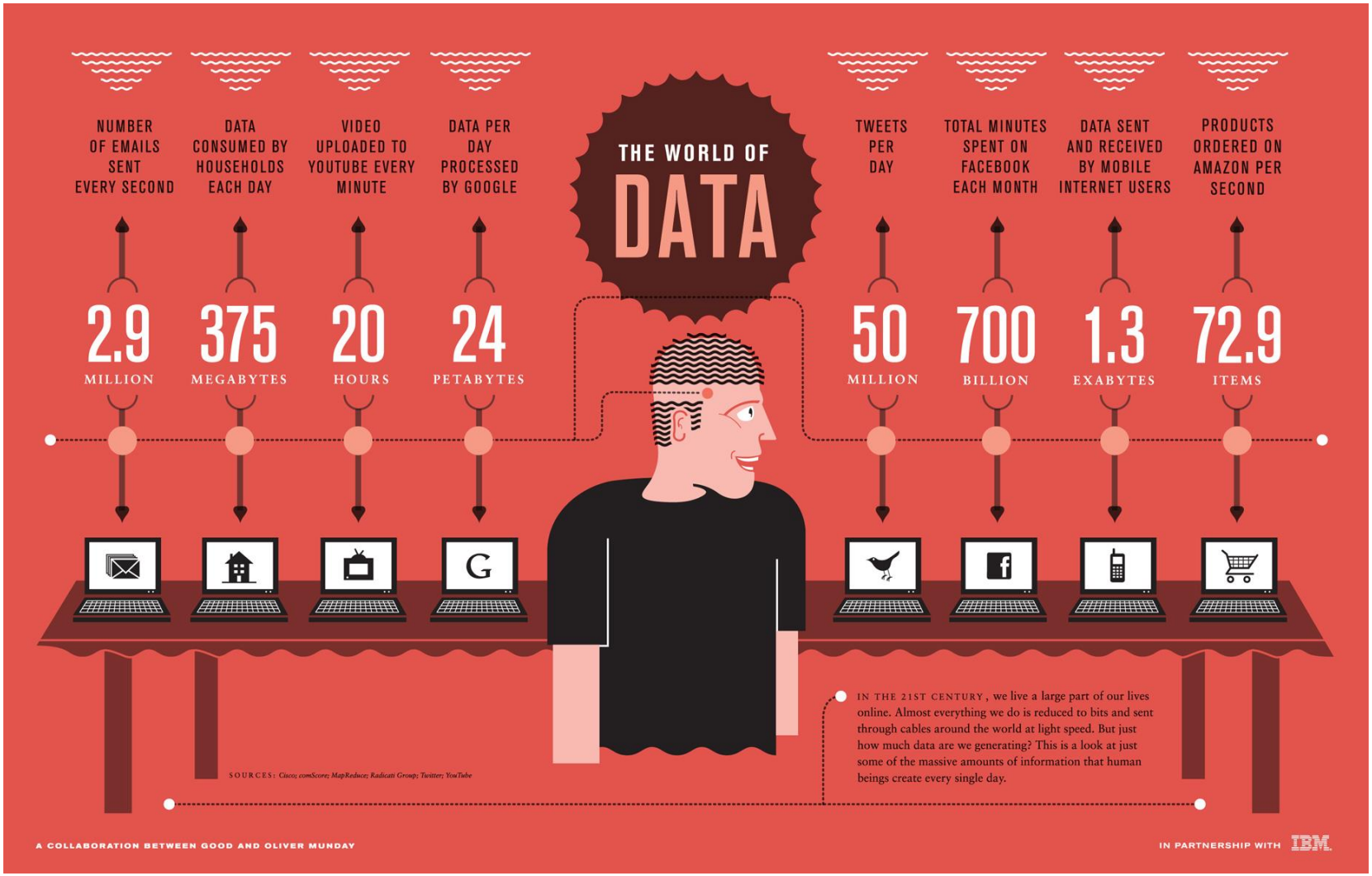
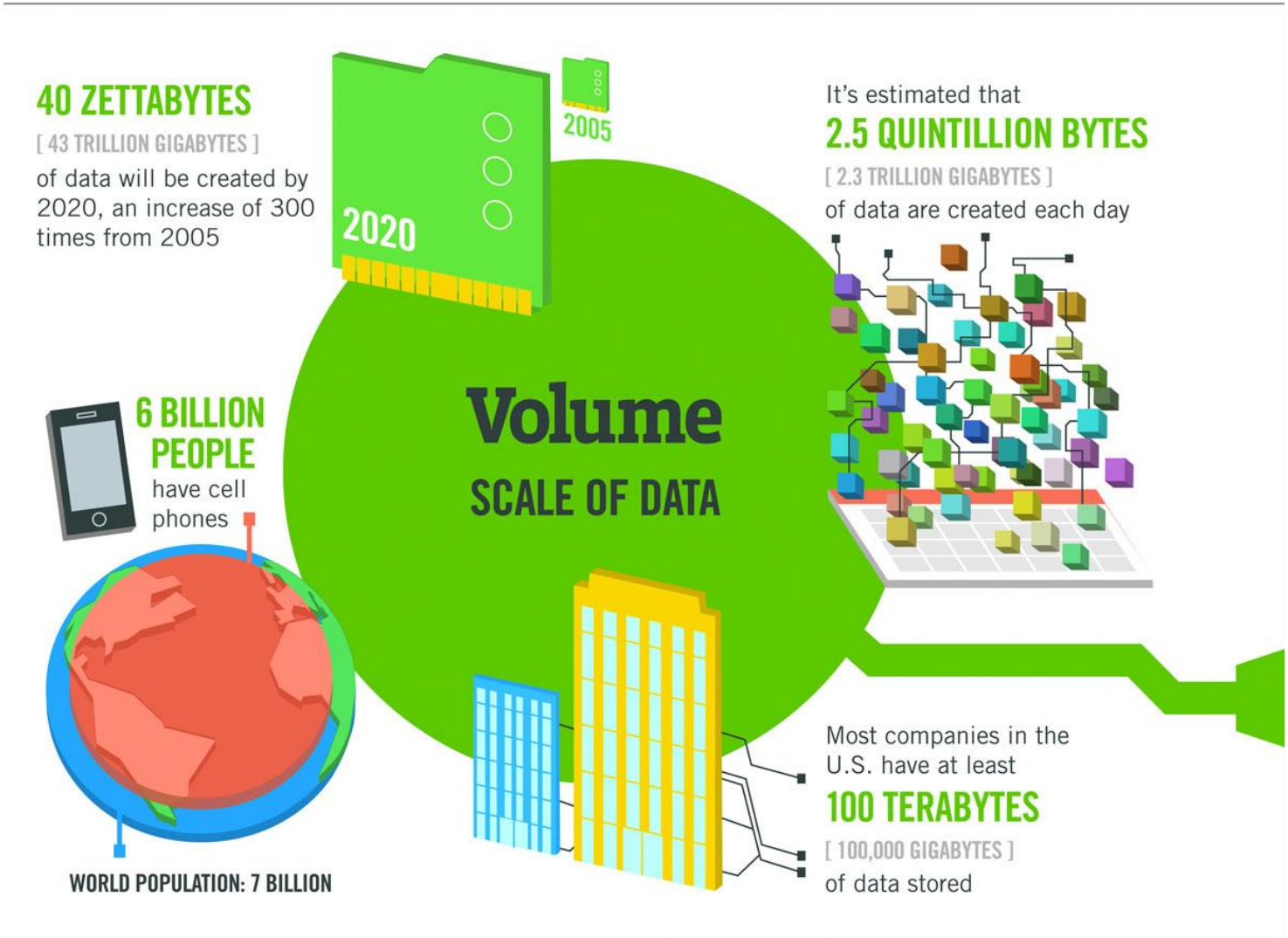
A *Data Based* World



Data growth expectations (by 2010)



Data growth expectations (by 2020)



taken from *http://www.ibmbigdatahub.com/infographic/four-vs-big-data*

Why is data so desirable?

Data => Information => Knowledge

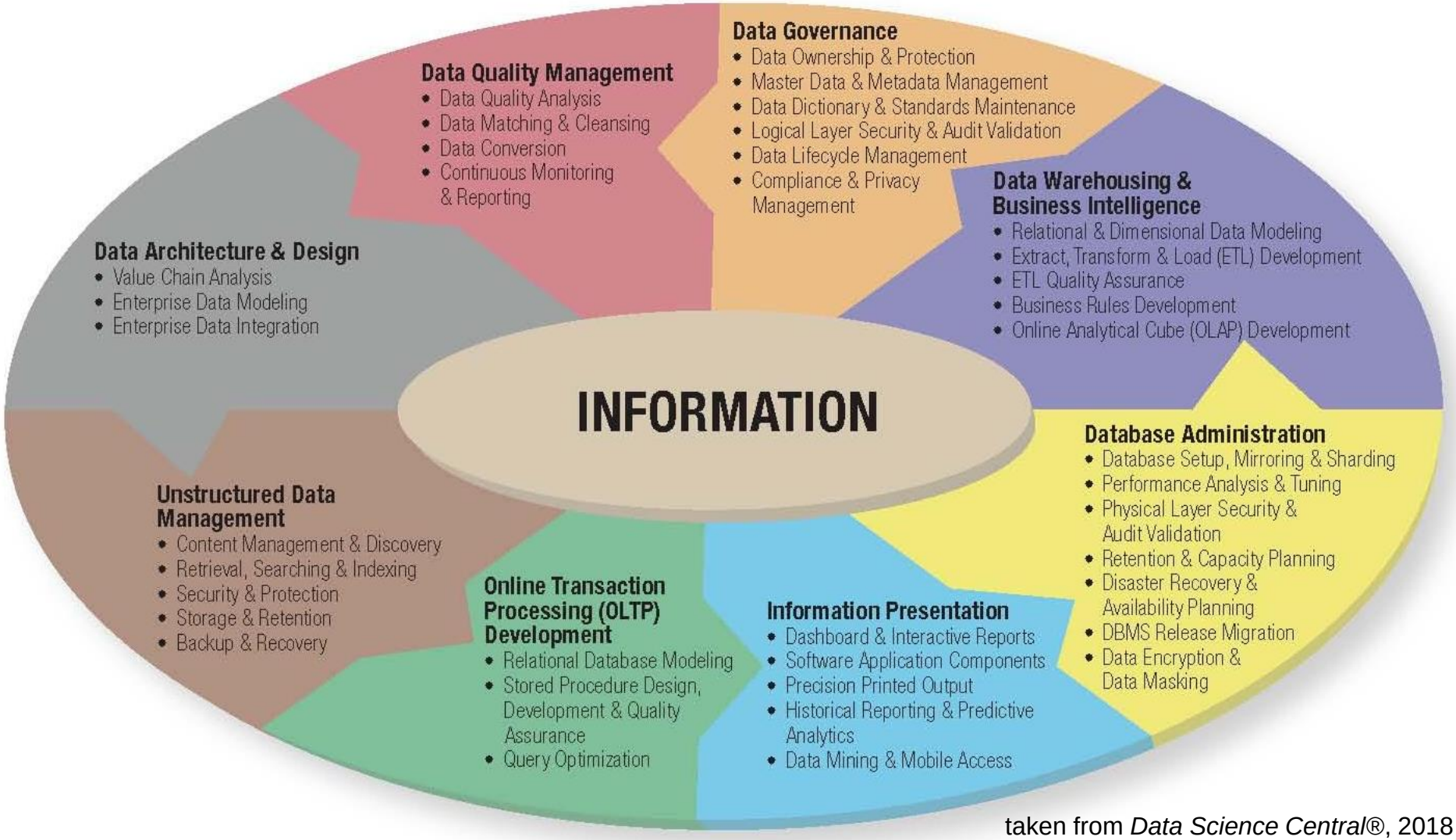
Knowledge => Power to:

Choose destiny

Guide people

Free the world

Information: the crucial stage



taken from *Data Science Central*®, 2018

Data related *challenges*

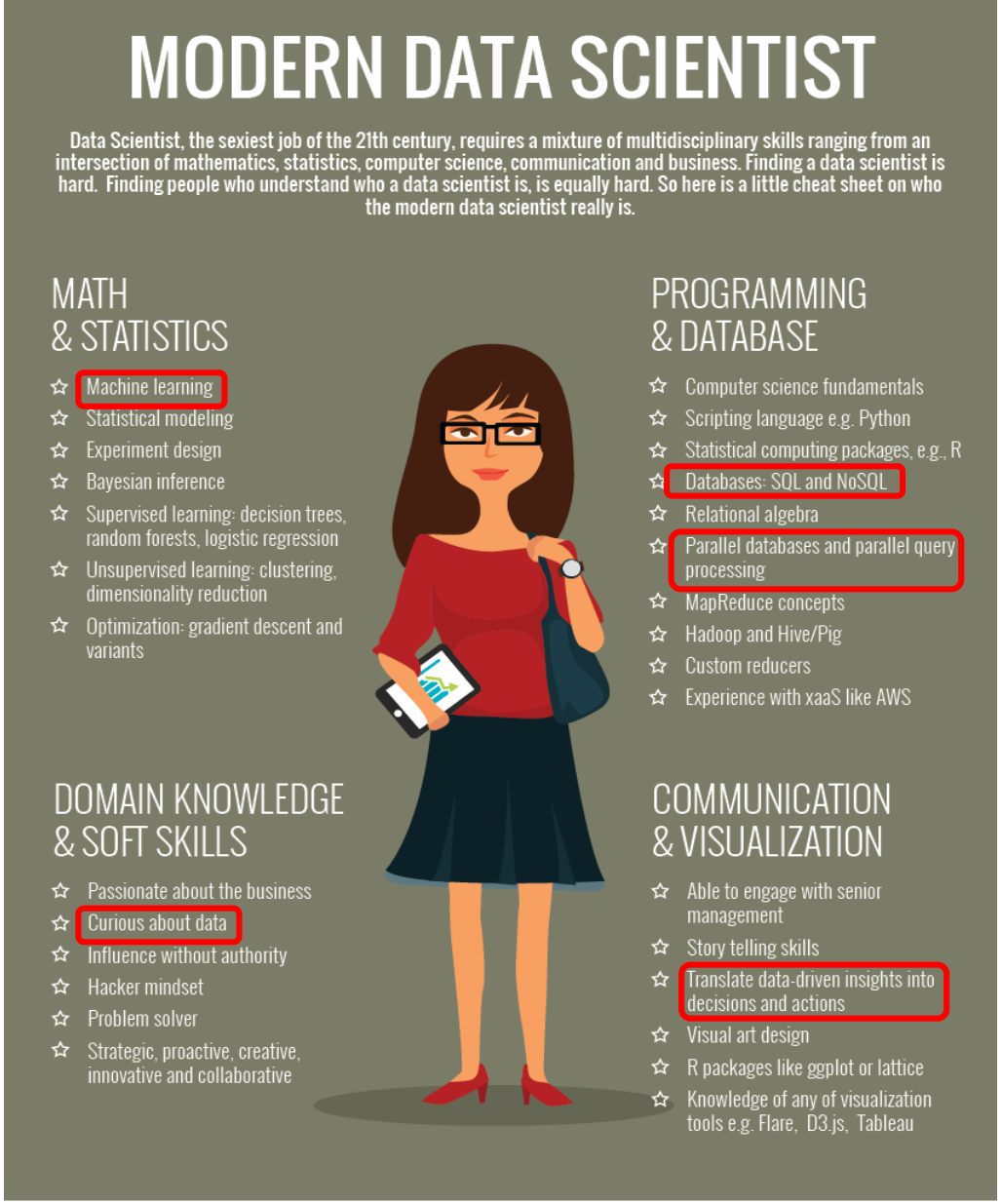
store but also **process**
all the available data

democratize but also **secure**
the access to data

merge heterogeneous data but **validate**
its origin

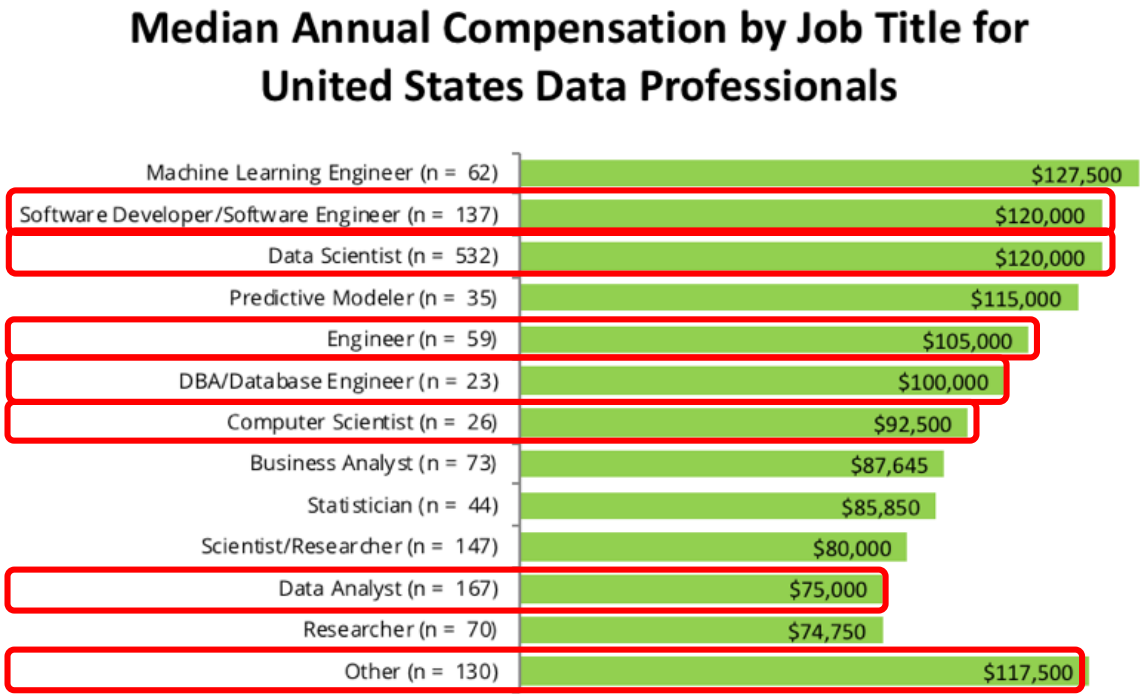
...

Data related *challenges*



Areas requiring strong data related skills

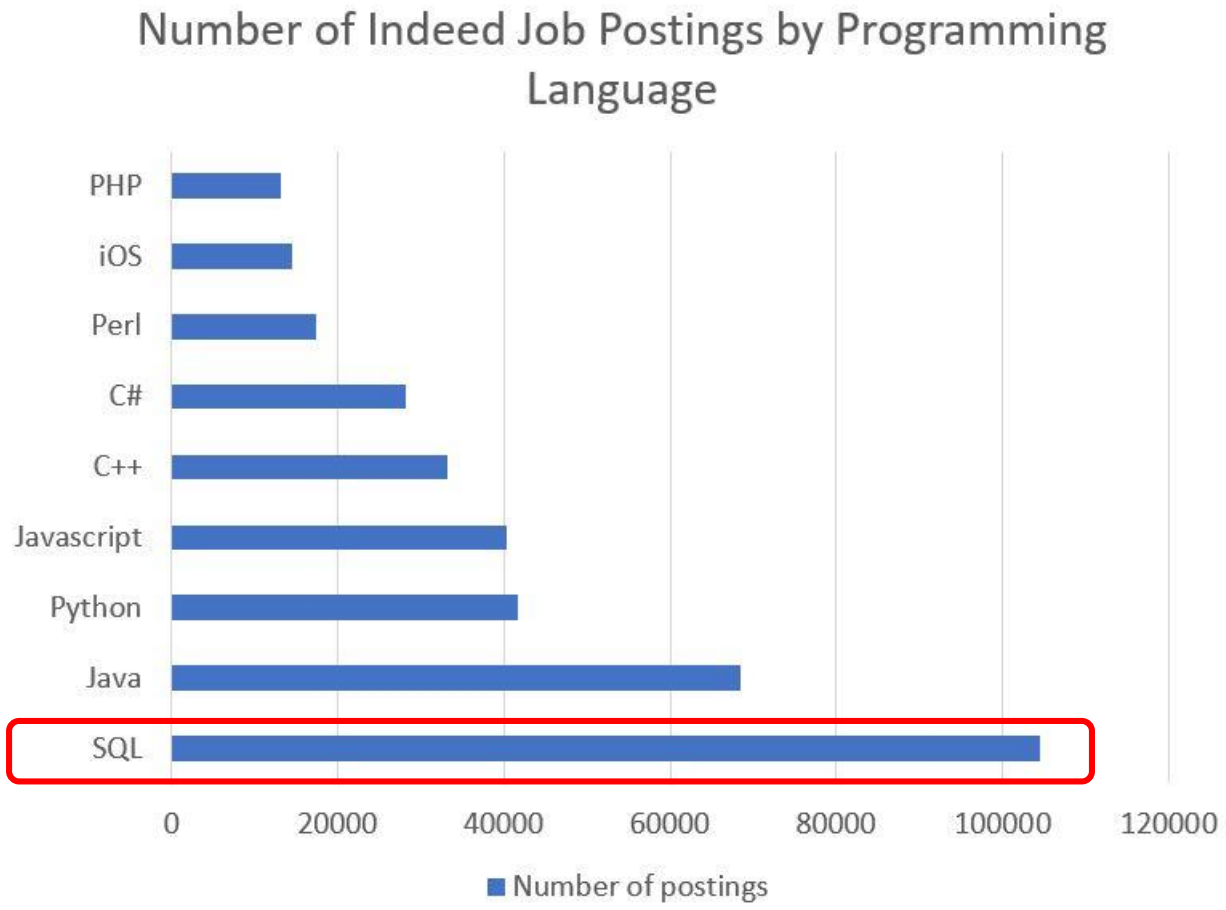
Data related jobs



Respondents are from the United States. Values are in US Dollars.
Data are from the Kaggle 2017 The State of Data Science and Machine Learning study. You can learn more about the study and download the data here: https://www.kaggle.com/surveys/2017.
Job Titles are ranked by median annual salary. Only job titles with ample sample size (n > 20) are presented.

BUSINESS BROADWAY

Data and Programming Languages



taken from *Coding Dojo Blog*®, 2017