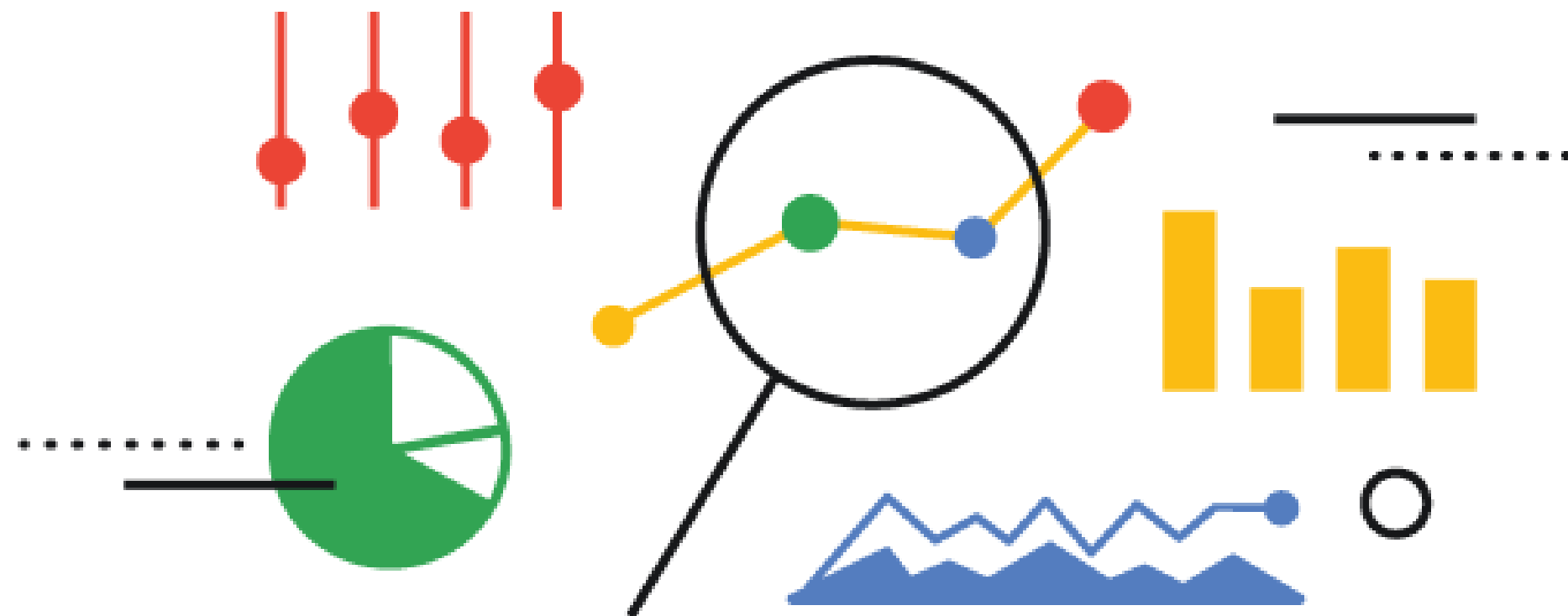


DATA PREPROCESSING

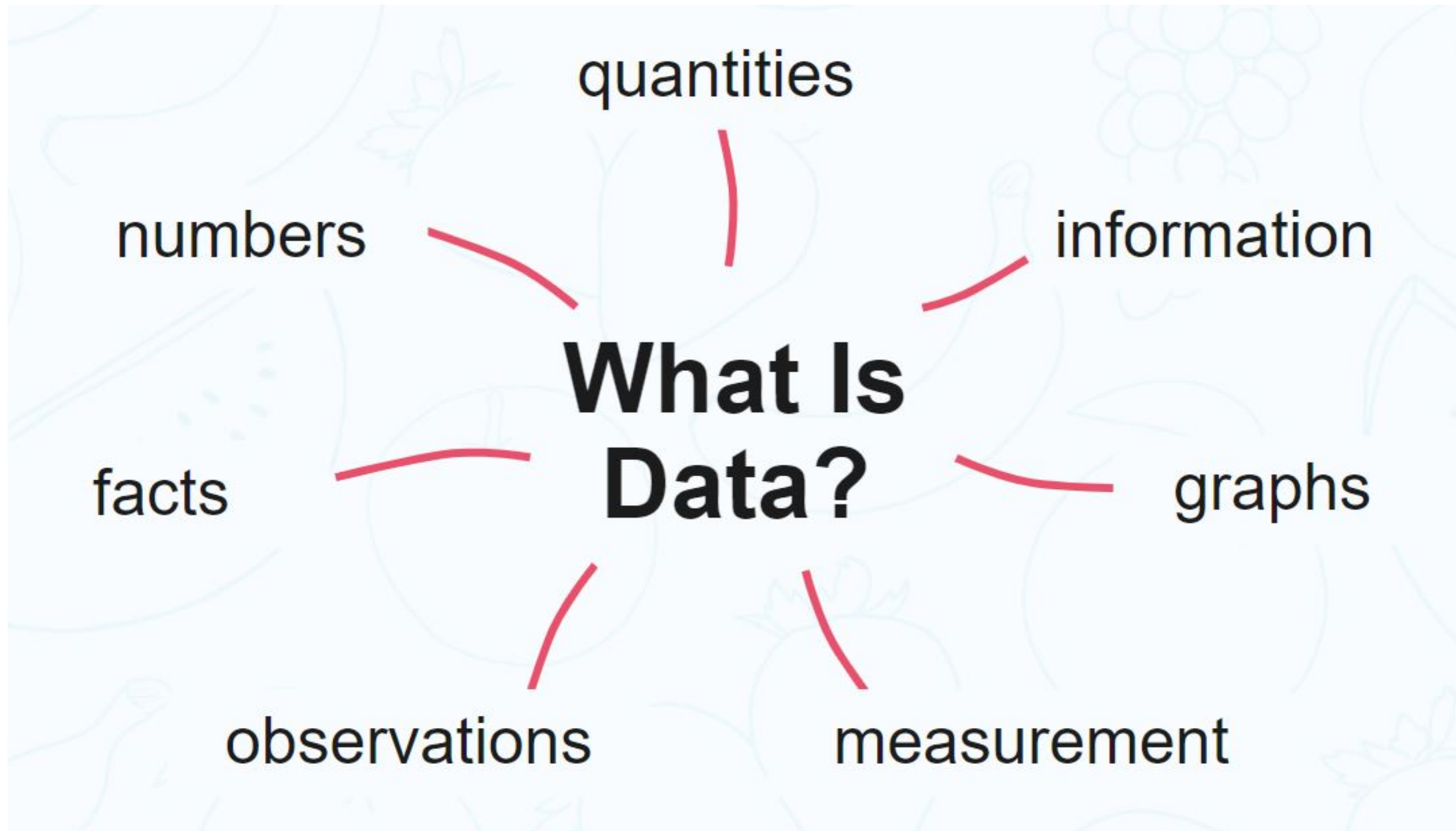


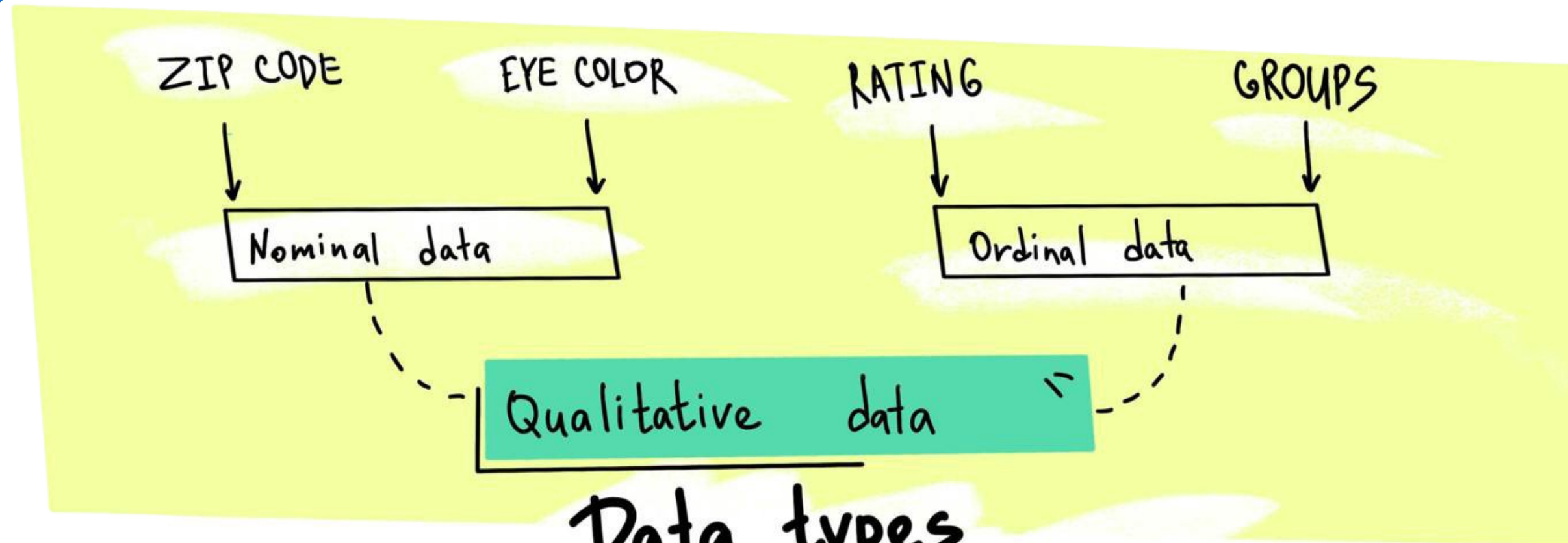


WHAT IS DATA ?

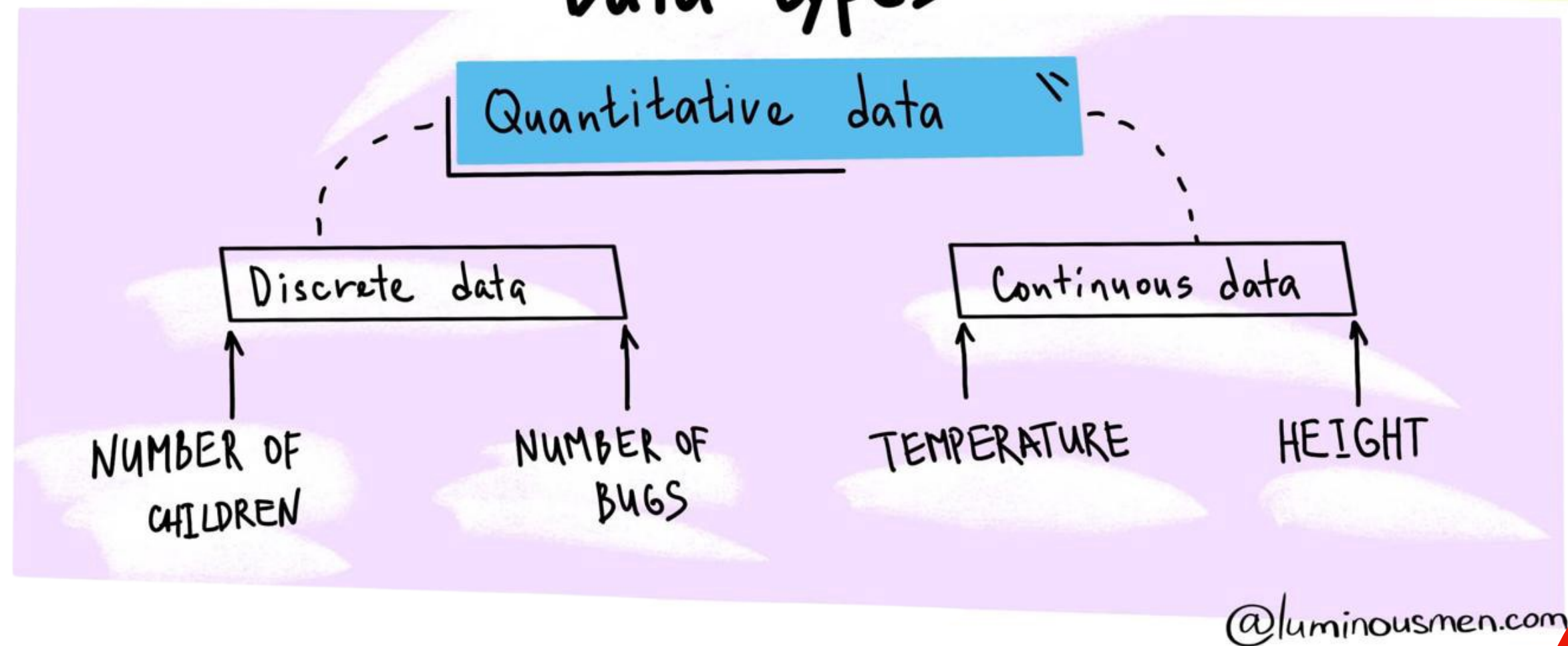


**FACTS AND STATISTICS
COLLECTED TOGETHER
FOR REFERENCE OR
ANALYSIS.**





Data types





DIFFERENT FIELDS WHERE WE USE DATA



BANKING AND SECURITIES



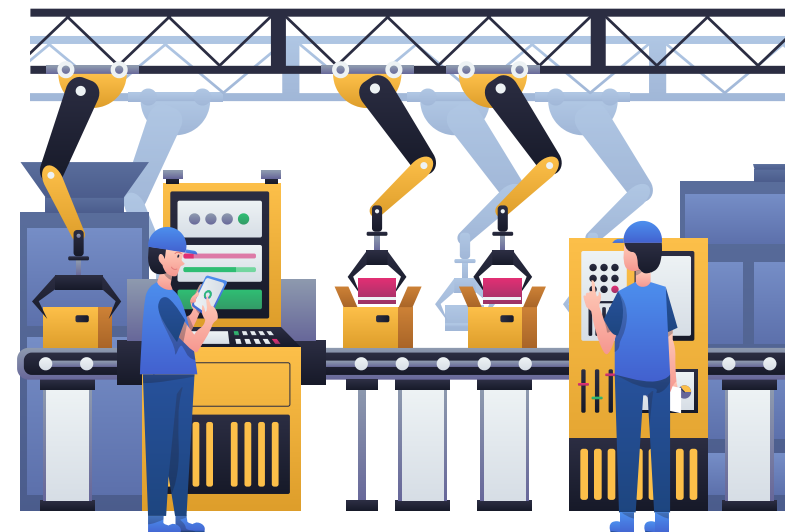
COMMUNICATIONS AND MEDIA



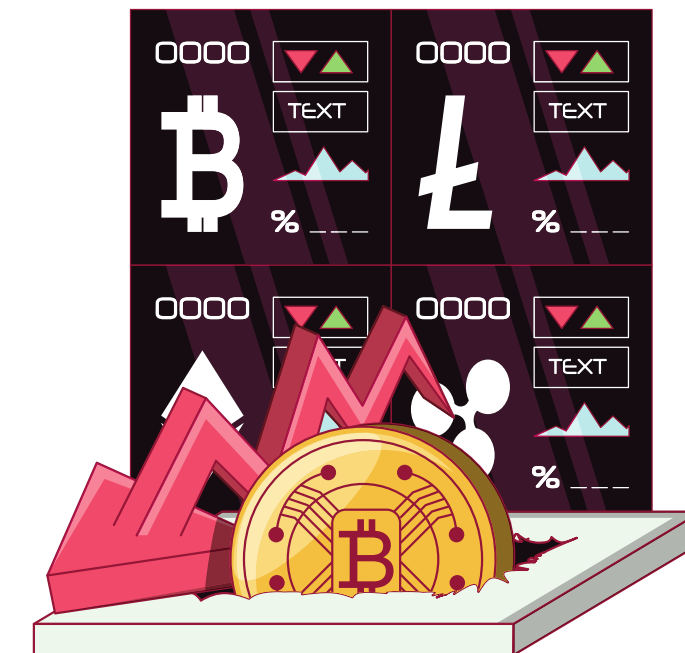
HEALTHCARE PROVIDERS



EDUCATION



MANUFACTURING



TRADE



DATA ANALYST

DATA ANALYST ANALYZES NUMERIC DATA AND USES IT TO HELP COMPANIES MAKE BETTER DECISIONS.

DATA ENGINEER

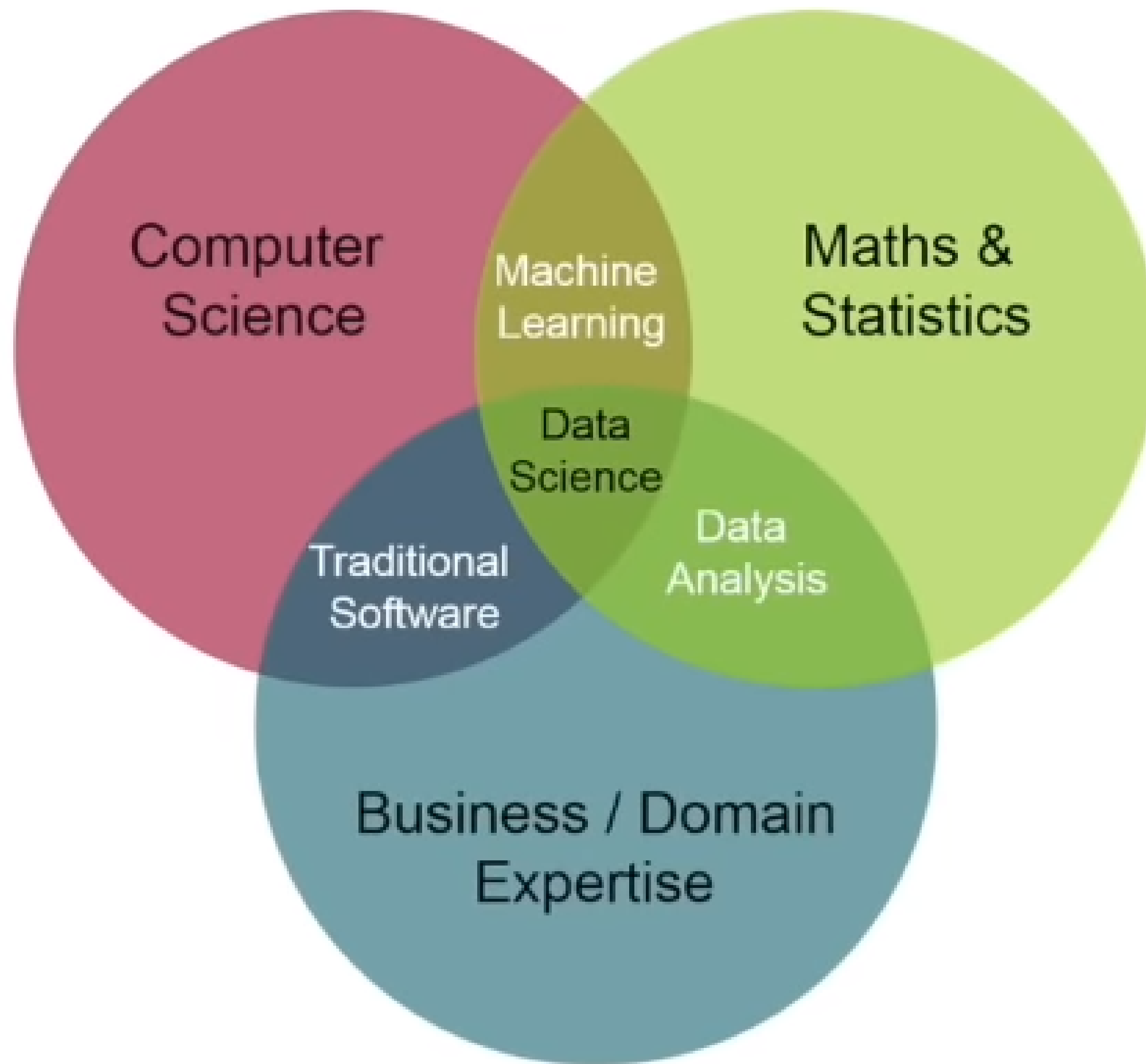
DATA ENGINEER INVOLVES IN PREPARING DATA. THEY DEVELOP, CONSTRUCTS, TESTS & MAINTAIN COMPLETE ARCHITECTURE.

BUSINESS ANALYSTS

BUSINESS ANALYSTS USE DATA TO MAKE STRATEGIC BUSINESS DECISIONS.

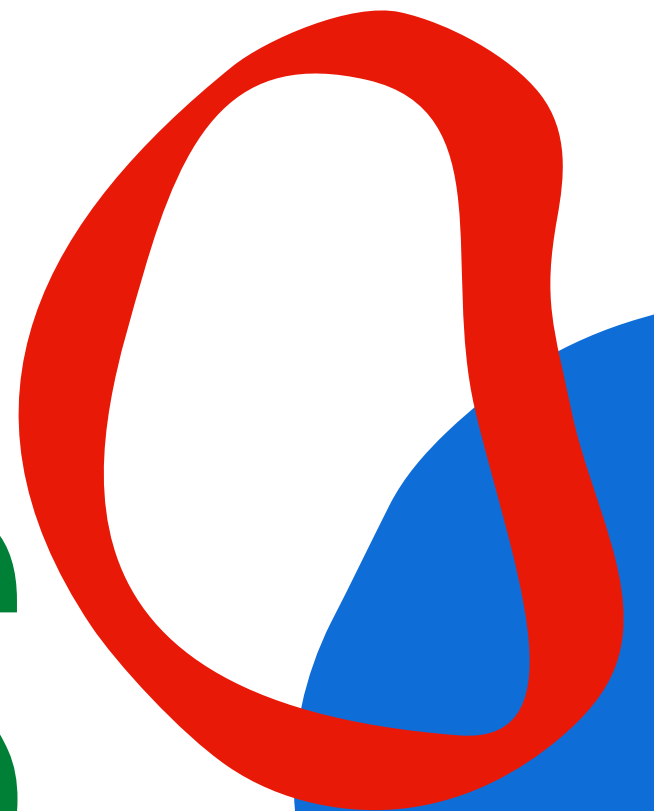
DATA SCIENTIST

A DATA SCIENTIST ANALYZES AND INTERPRETS COMPLEX DATA. THEY ARE DATA WRANGLERS WHO ORGANIZE (BIG) DATA.





DATA SOURCES

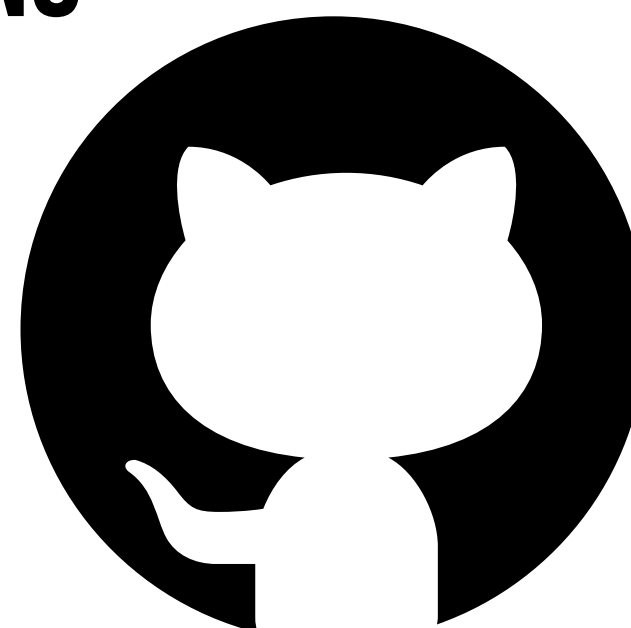




**WEB
SCRAPPING**



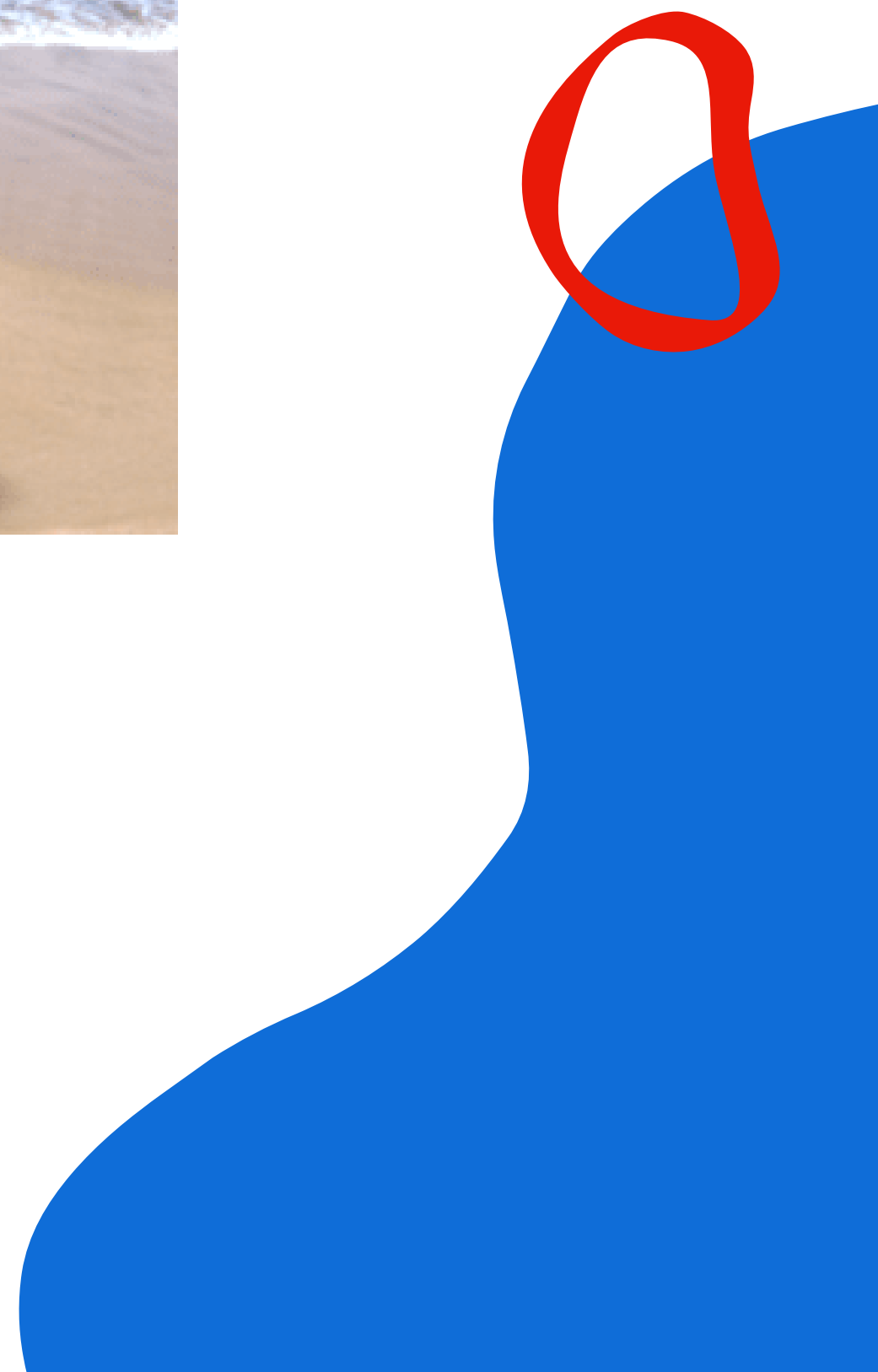
FORMS



GITHUB



GENERATE IT

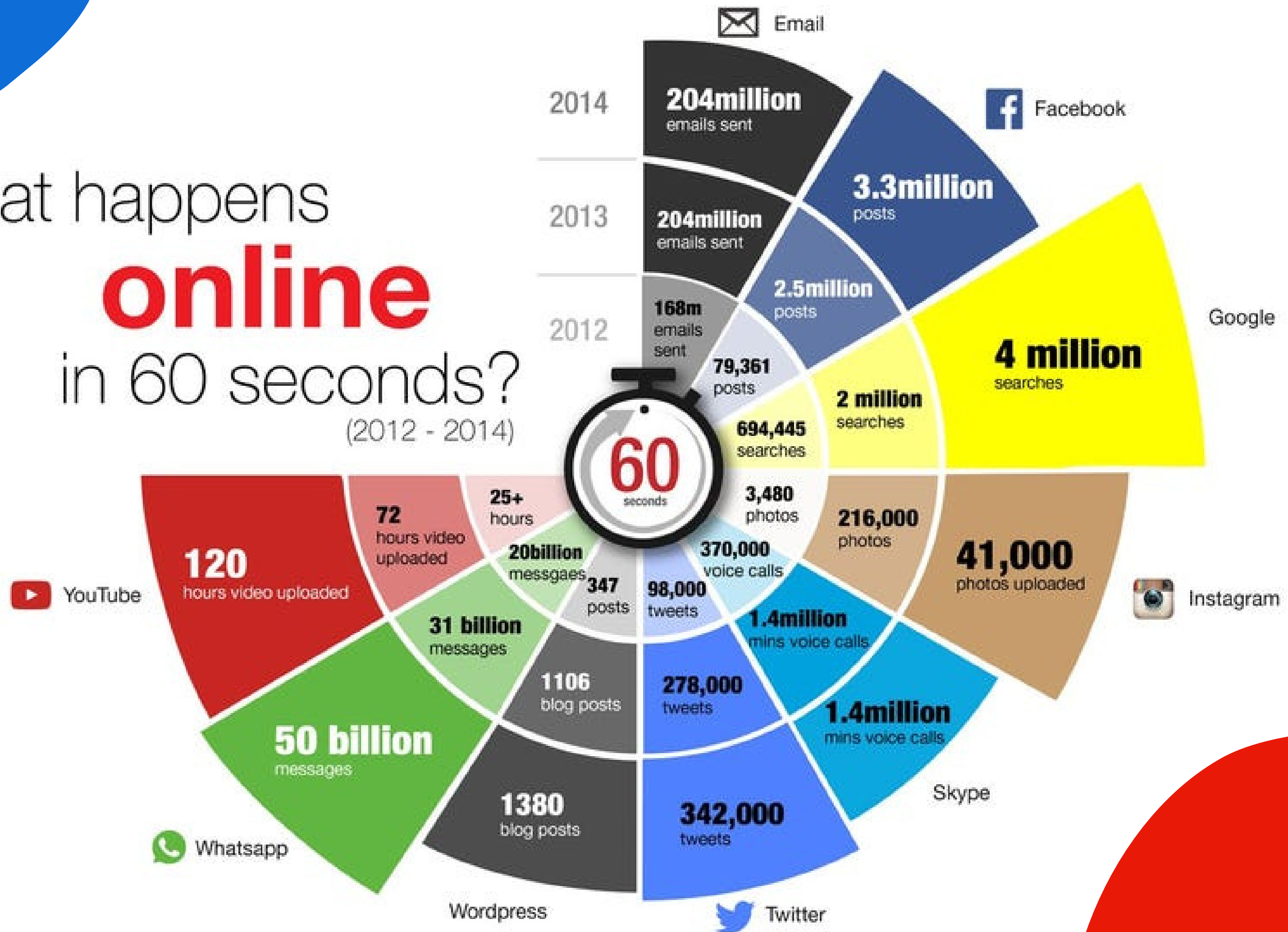




DATA SIZE



What happens **online** in 60 seconds? (2012 - 2014)





DATA : STRUCTURED VS UNSTRUCTURED





Unstructured VS Structured Data



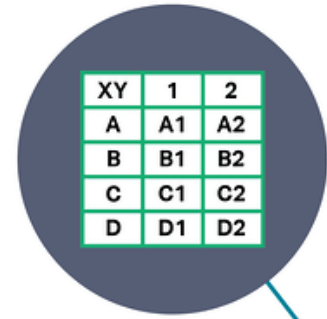
Structured Data

vs

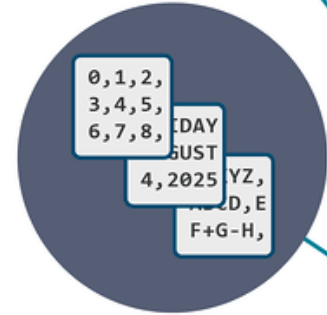
Unstructured Data



Can be displayed
in rows, columns and
relational databases



Numbers, dates
and strings



Estimated 20% of
enterprise data (Gartner)



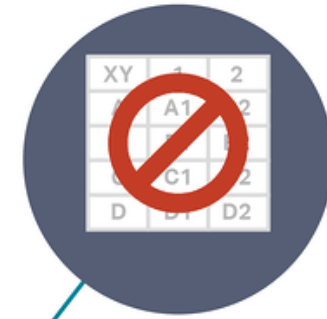
Requires less storage



Easier to manage
and protect with
legacy solutions



Cannot be displayed
in rows, columns and
relational databases



Images, audio, video,
word processing files,
e-mails, spreadsheets



Estimated 80% of
enterprise data (Gartner)



Requires more storage

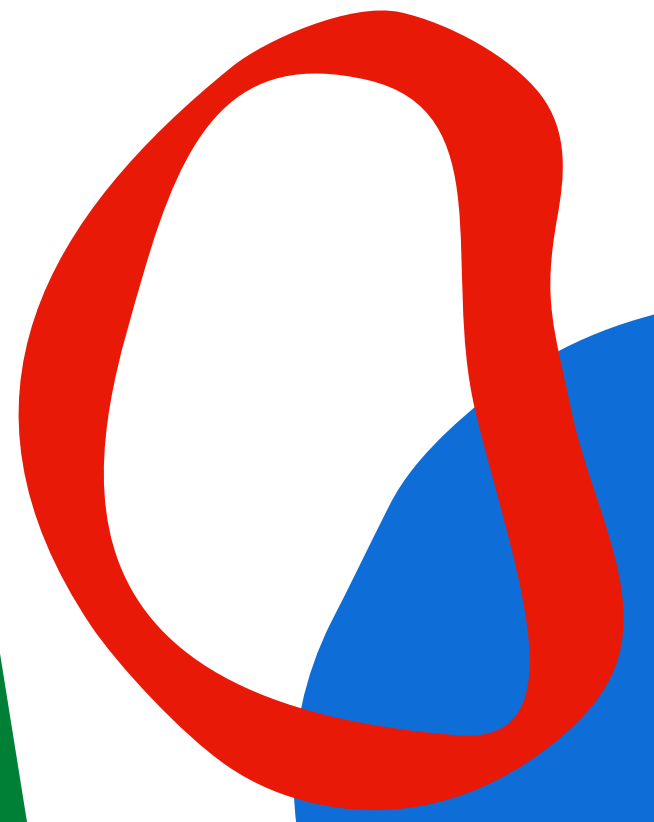


More difficult to
manage and protect
with legacy solutions





TYPES OF DATA





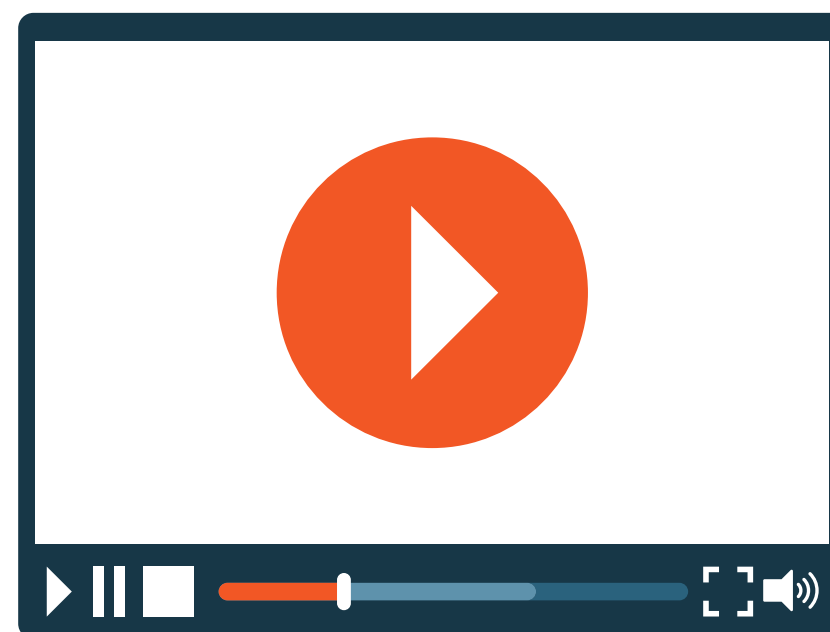
TEXTE



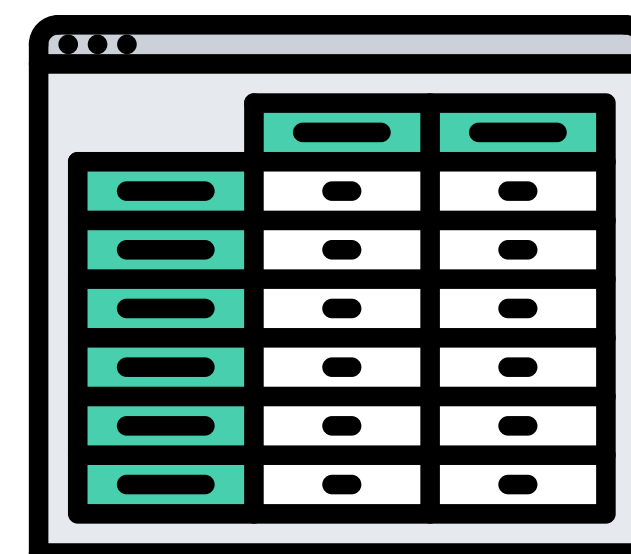
IMAGE



AUDIO



VIDEO

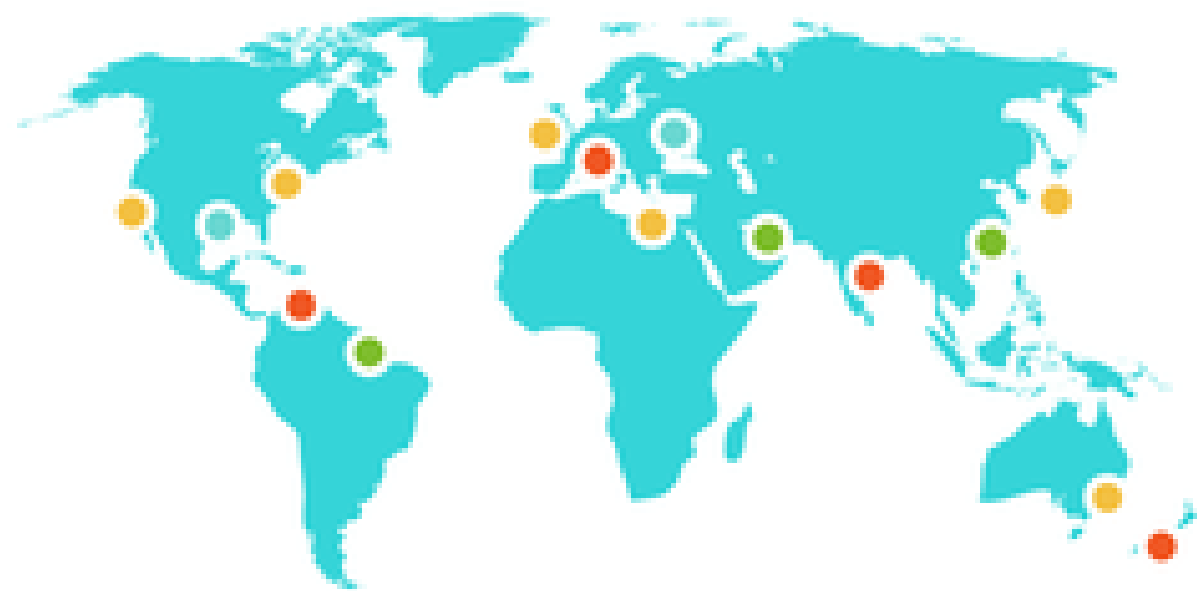


STATISTICS



VISUALIZE YOUR DATA





56298
DUI AUTEM IRURE DO
REPREHENDIT IN
VELT ESSE CILLUM
FUCIAT NULLA PAB



56298
LOREM IPSUM DOLOR
CONSECTETUR ADIPS
SED DO ELUSMOO TEMPOR
UT LABORE ET DOLORE



56298
SINT OCCAECAT CUP
PROIDENT, SUNT IN
OFFICIA DESERPUNT
ANIM ID EST LABOREUM

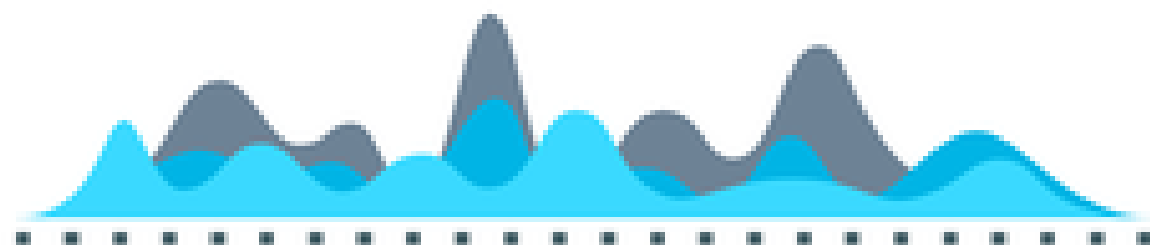


56298
IPSUM DOLOR LOREM
CONSECTETUR ADIPS
SED DO ELUSMOO TEM
OFFICIA DESERPUNT



DUI AUTEM IRURE DOLOR REPREH
ENDERIT IN VOL VELIT ESSE CILLUM

6-12 16-25 36-55 75-90
NISI UT ALIQUIP EX EA COMMOD CONSEQUAT ULLAMCO LABORIS NOSTRUD EXERCITATION



SIT AMET, CONSECTETUR ADIPSCING ELIT, SED DO
ELUSMOO TEMPOR INCIDIDUNT UT ENIM AD MINIM
LOREM IPSUM DOLOR CONSECTETUR ADIPS SED



53 43 98
86 48



43 98 98
33 89



23 18 27
83 37



DUI AUTEM IRURE DO
REPREHENDIT IN



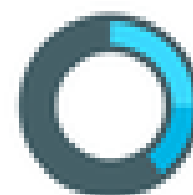
LOREM IPSUM DOLOR
CONSECTETUR ADIPS



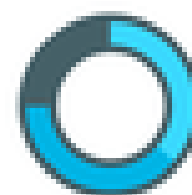
SINT OCCAECAT CUP
PROIDENT, SUNT IN



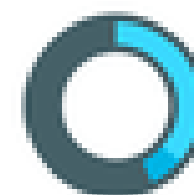
IPSUM DOLOR LOREM
CONSECTETUR ADIPS



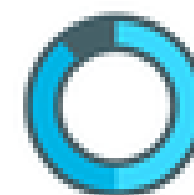
65496



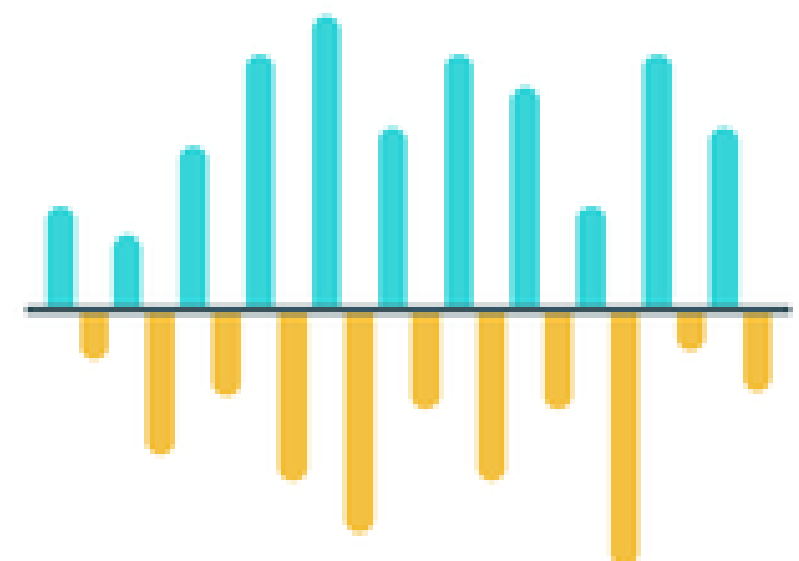
98713



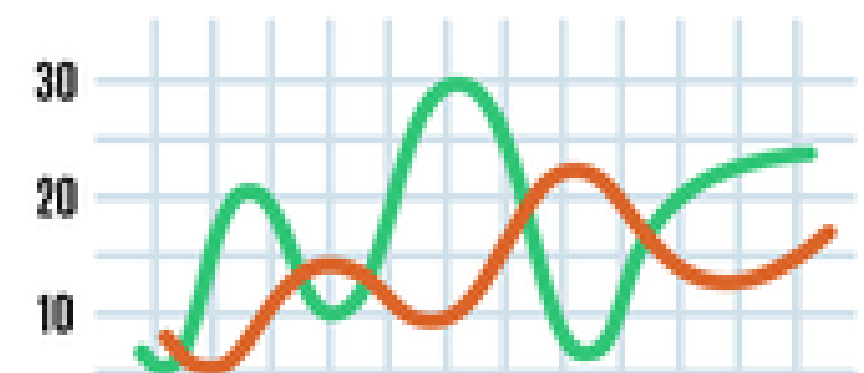
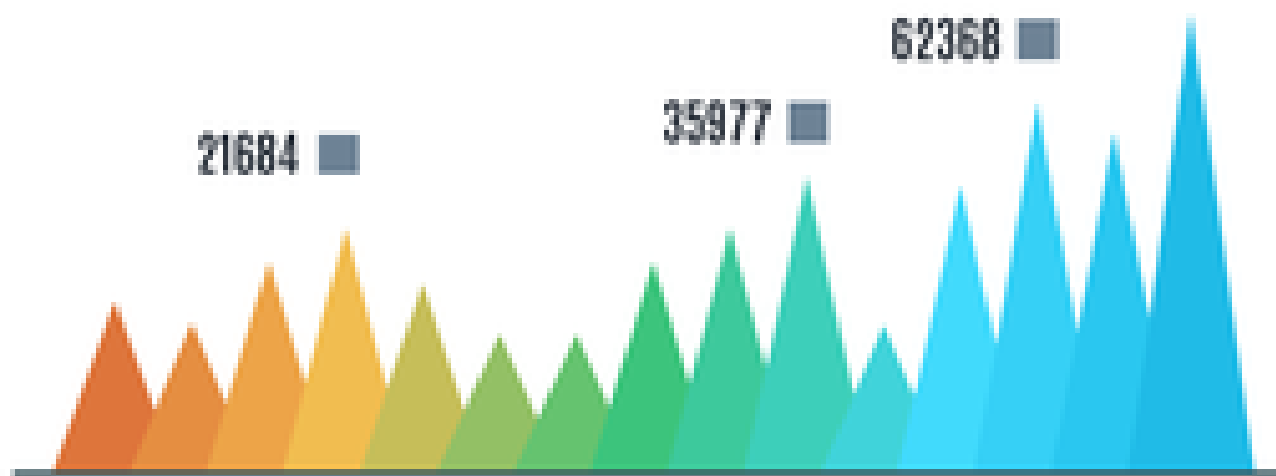
12386

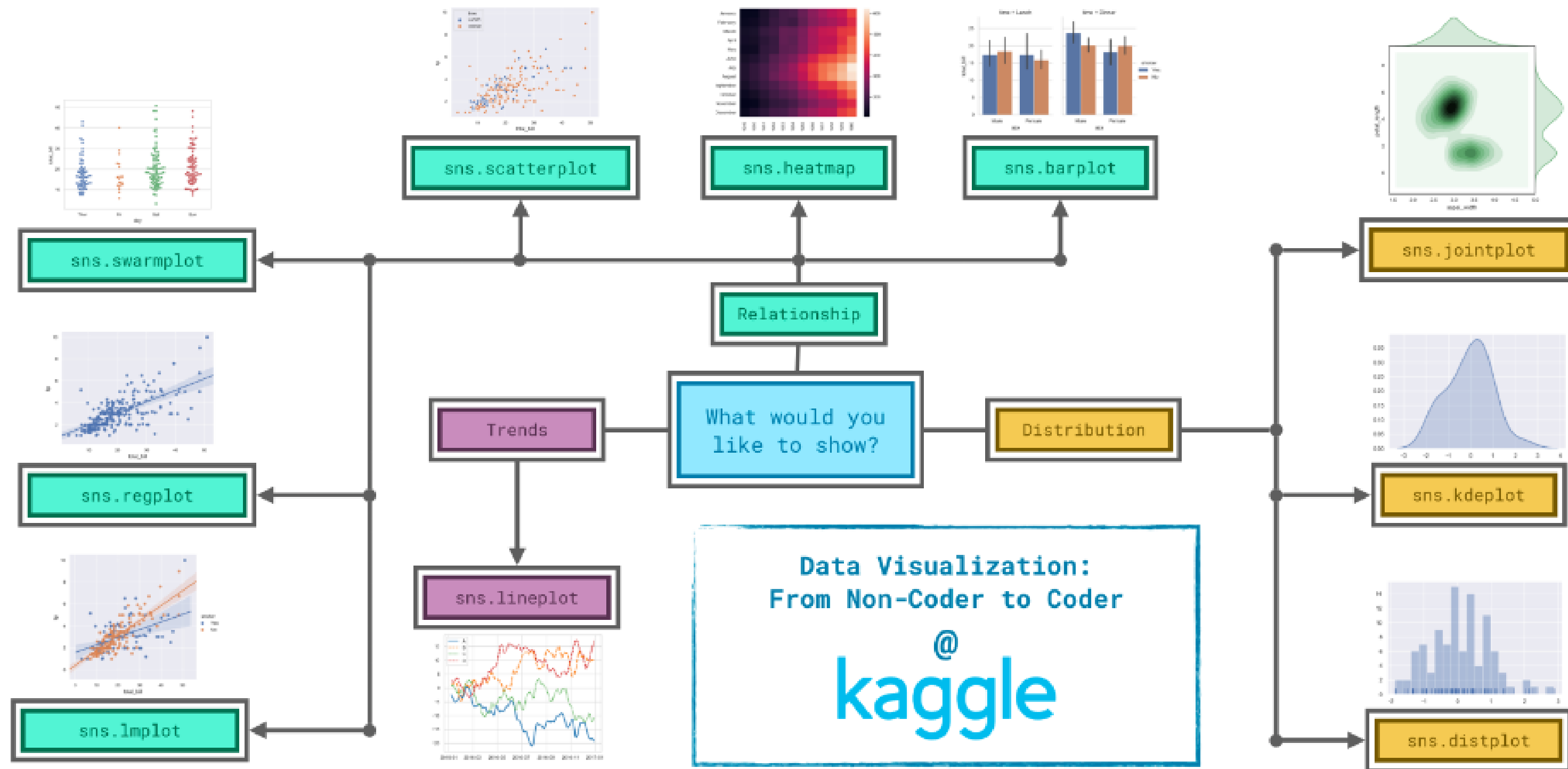


49513



2576 7852 1638 5287 2787
DUI AUTEM IRURE DO
CONSECTETUR ADIPS
SINT OCCAECAT CUP
IPSUM DOLOR LOREM
PROIDENT SUNT IN







WHERE TO STORE DATA





FEATURES SELECTION



Gender	Age	Married	BankCustomer	EducationLevel	Employed	CreditScore	DriversLicense	City	ZipCode	ApprovalStatus.
M	28	Y	Y	B+3	N	10	Y	N	2034	YES
M	28	Y	Y	B+4	N	10	Y	N	2034	YES
M	28	Y	Y	B+5	N	10	Y	N	2034	YES
M	28	Y	Y	B+6	N	10	Y	N	2034	NO
M	28	Y	Y	B+7	N	10	Y	N	2034	YES
M	28	Y	Y	B+8	N	10	Y	N	2034	YES
M	28	Y	Y	B+9	N	10	Y	N	2034	NO





Gender	Age	Married	BankCustomer	EducationLevel	Employed	CreditScore	DriversLicense	City	ZipCode	ApprovalStatus.
M	28	Y	Y	B+3	N	10	Y	N	2034	YES
M	28	Y	Y	B+4	N	10	Y	N	2034	YES
M	28	Y	Y	B+5	N	10	Y	N	2034	YES
M	28	Y	Y	B+6	N	10	Y	N	2034	NO
M	28	Y	Y	B+7	N	10	Y	N	2034	YES
M	28	Y	Y	B+8	N	10	Y	N	2034	YES
M	28	Y	Y	B+9	N	10	Y	N	2034	NO





Gender	Age	Married	BankCustomer	EducationLevel	Employed	CreditScore	DriversLicense	City	ZipCode	ApprovalStatus.
M	28	Y	Y	B+3	N	10	Y	N	2034	YES
M	28	Y	Y	B+4	N	10	Y	N	2034	YES
M	28	Y	Y	B+5	N	10	Y	N	2034	YES
M	28	Y	Y	B+6	N	10	Y	N	2034	NO
M	28	Y	Y	B+7	N	10	Y	N	2034	YES
M	28	Y	Y	B+8	N	10	Y	N	2034	YES
M	28	Y	Y	B+9	N	10	Y	N	2034	NO

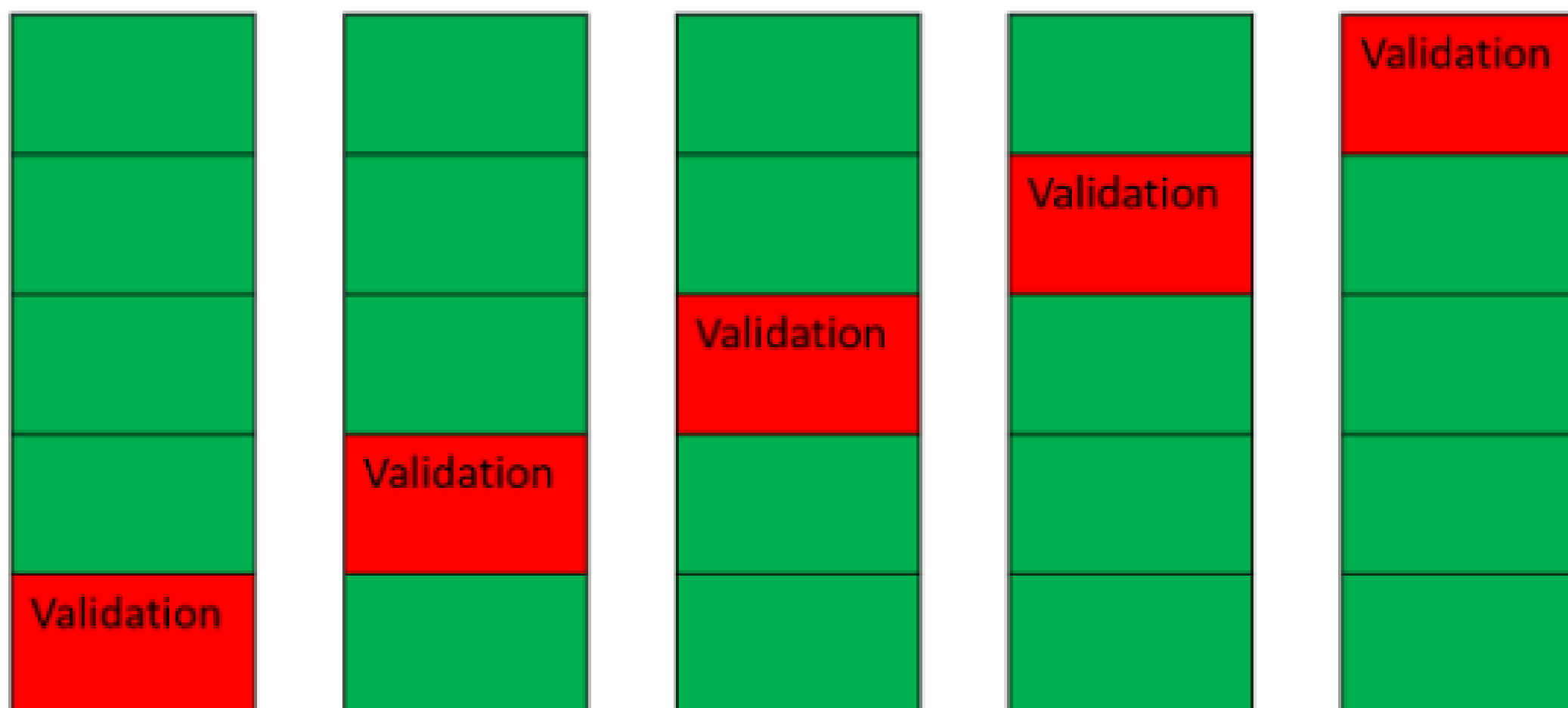


Gender	Age	Married	BankCustomer	EducationLevel	Employed	CreditScore	ZipCode	ApprovalStatus.
M	28	Y	Y	B+3	N	10	2034	YES
M	28	Y	Y	B+4	N	10	2034	YES
M	28	Y	Y	B+5	N	10	2034	YES
M	28	Y	Y	B+6	N	10	2034	NO
M	28	Y	Y	B+7	N	10	2034	YES
M	28	Y	Y	B+8	N	10	2034	YES
M	28	Y	Y	B+9	N	10	2034	NO



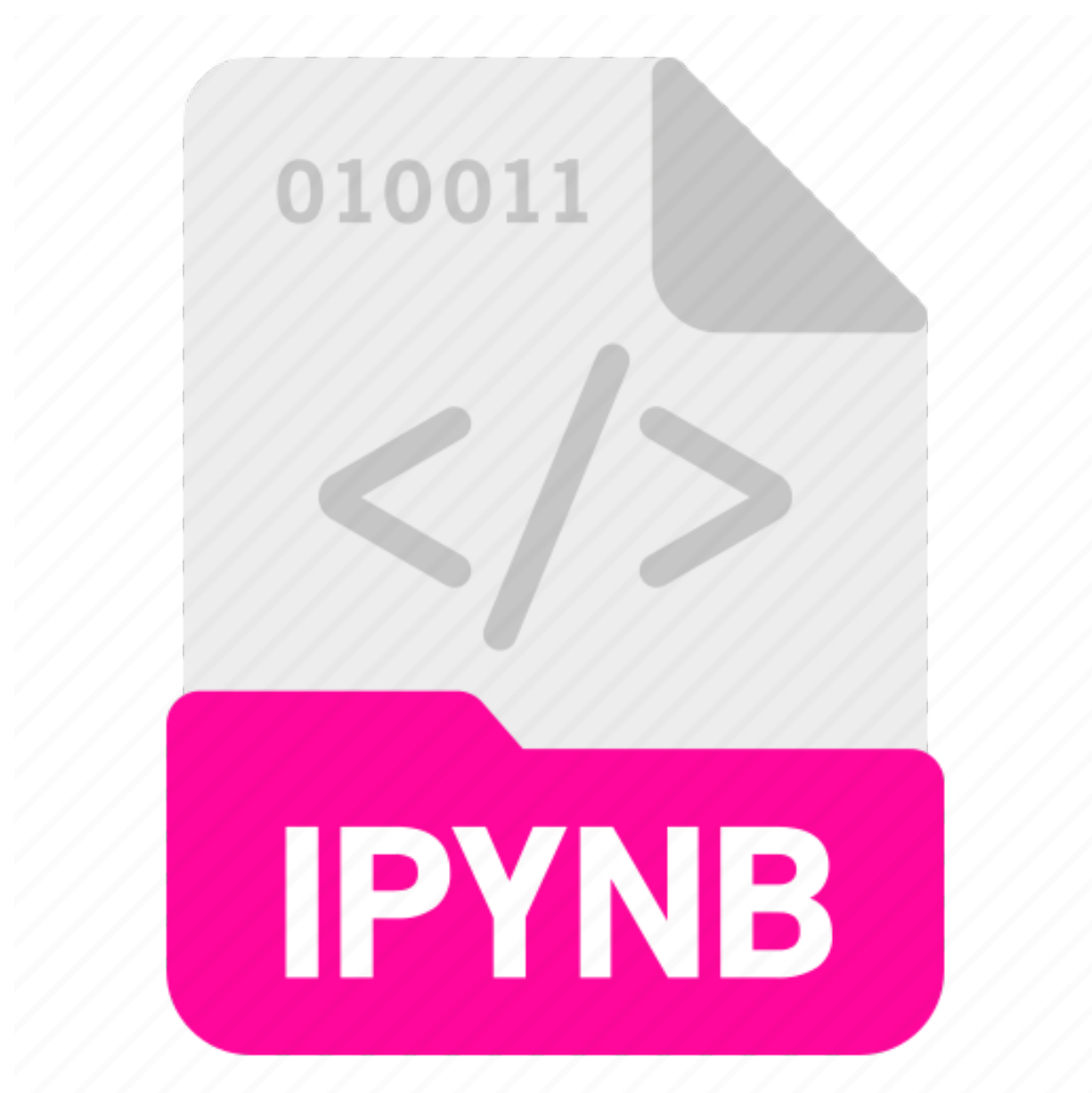
SPLIT YOUR DATA







WHAT'S NEXT ?







THANK
YOU