

DIDELI DUOMENYS = DIDELE ĄTSAKOMYBĘ

Valdas Maksimavičius

Apie mane

Valdas Maksimavičius

- MS Dynamics, .Net, Web, BI
- IT Sprendimų Architektas
- Tarp Lenkijos ir Lietuvos
- Blog.thevaldas.com

PAST

NOW

FUTURE



AVAILABLE
TRUCK PARKING

REST AREA

EXIT 112

EXIT 110

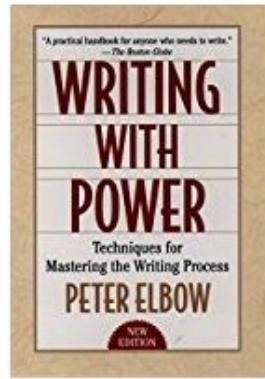
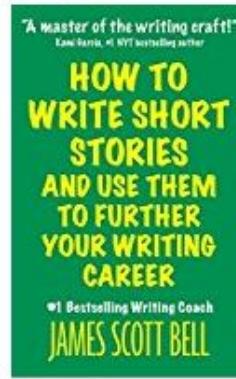
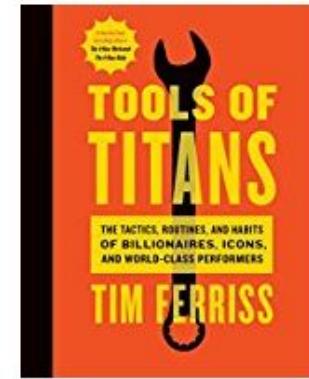
20

53

50



Recommendations for you in Kindle Store



Žmogaus intuicija **vs** „mąstantis“ kompiuteris

Žmogaus intuicija **vs** „mąstantis“ kompiuteris

```
if (age < 50) {  
    sendEmail();  
}  
  
else {  
    sendLetter();  
}
```

Žmogaus intuicija **vs** „mąstantis“ kompiuteris

```
if (age < 50) {  
    sendEmail();  
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```



"Without data
you're just another person
with an opinion."

W. Edwards Deming

Big Data Use Cases

8 pavyzdžiai

1. Rinkodara



Travel Insurance

Car Insurance

Insurance

Home Insurance

Health Insurance

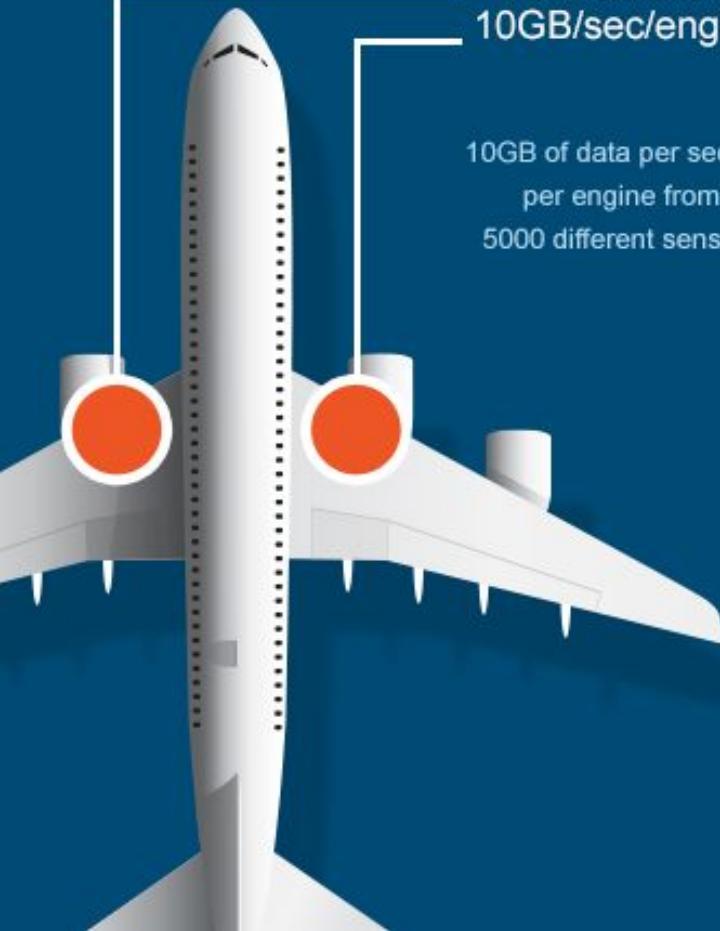
Life Insurance

2. Automobilių industrija





3. Aviacija



5000 sensors:
10GB/sec/engine

2
Engines

21600

28537

10GB of data per second
per engine from
5000 different sensors

twin engine
Airbus 320 or
Boeing 373

average of
six hour of
cross-country
flight

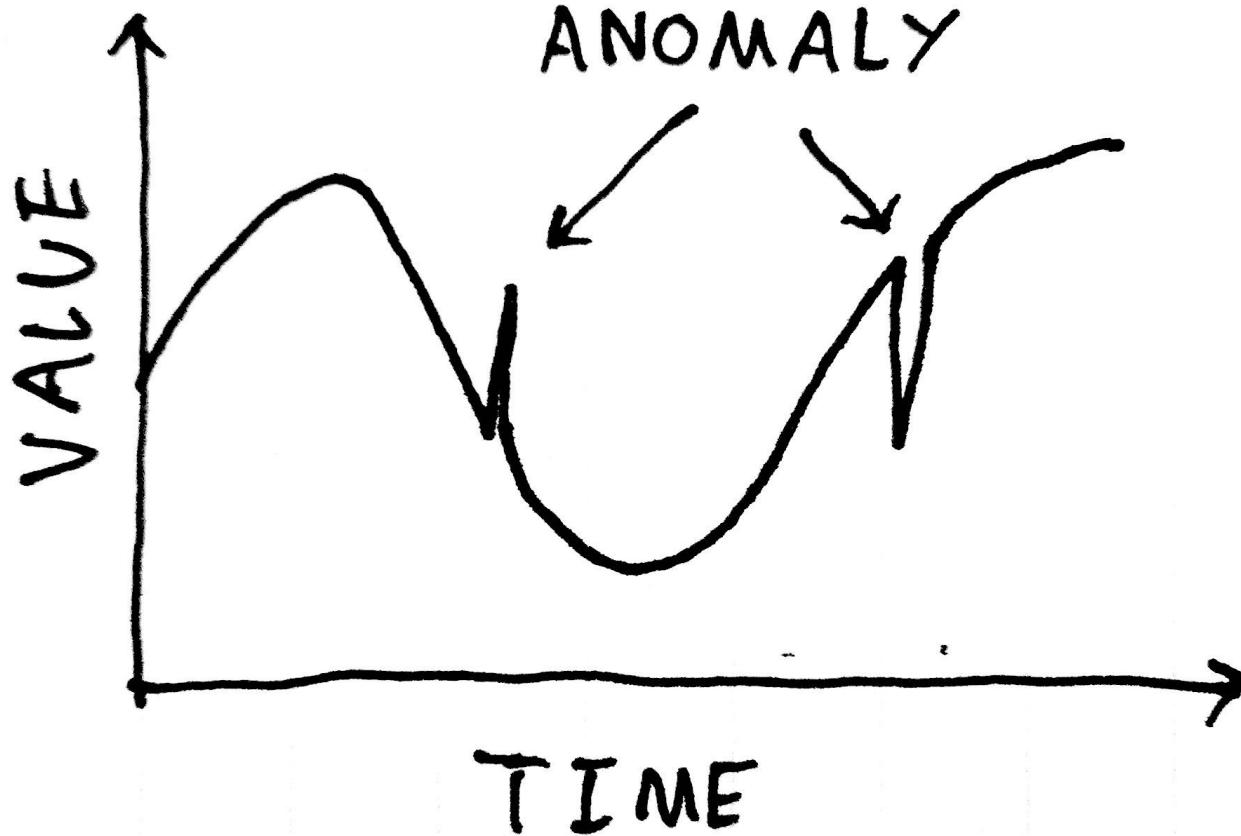
of cross-country
commercial flights
from United States
in a day

Total Data flow in a given day
from New York

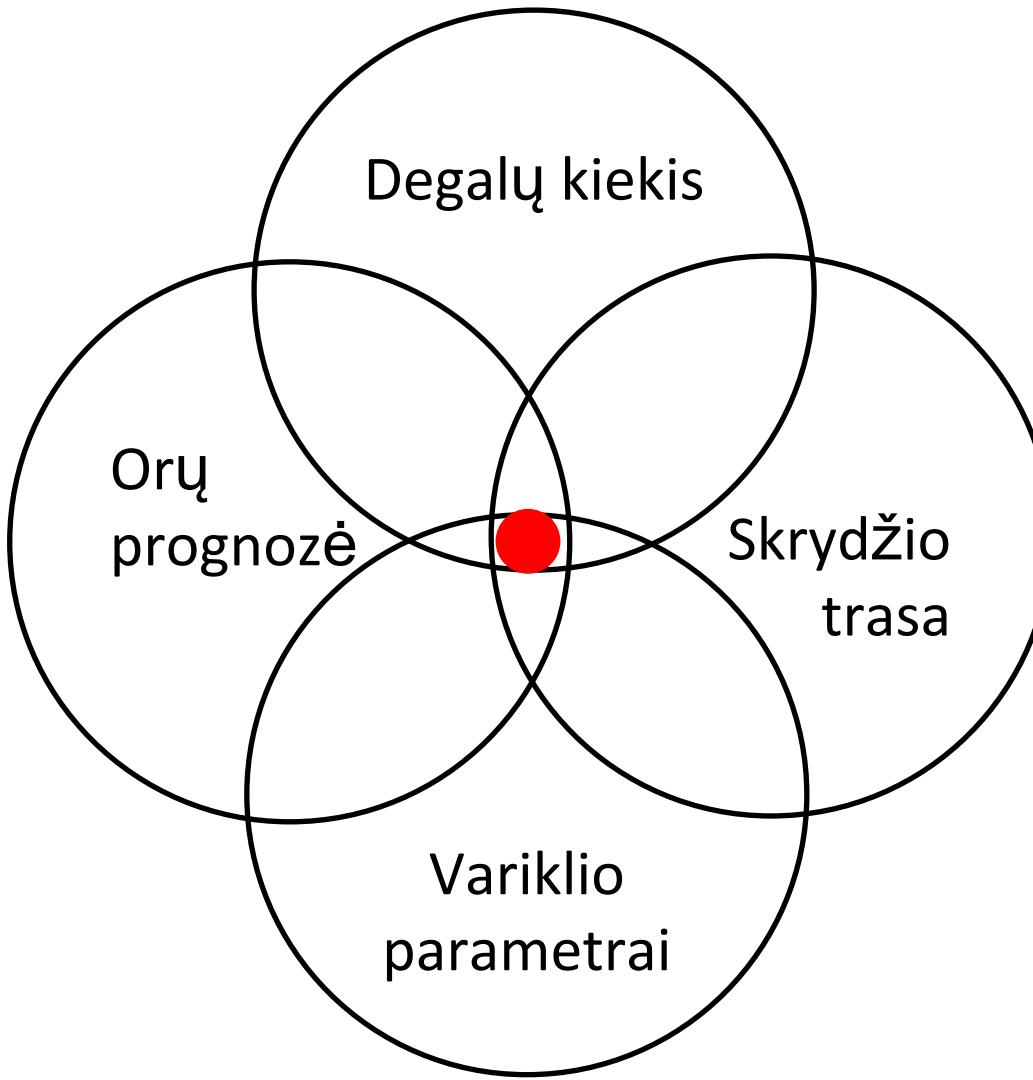
= **12,327,984 TB**

Rolls-Royce





Degalų
taupymas



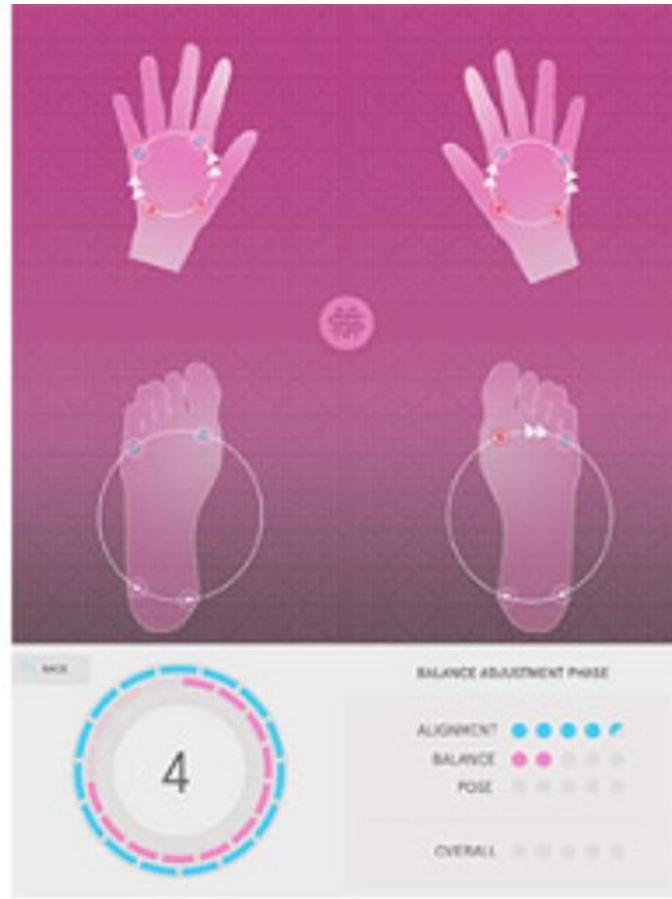
4. Sportas

Sebastian Vettel

2012 Brazilian Grand Prix







BALANCE



5. Saugumas

Verizon

4:33 PM



U B E R

PICKUP LOCATION

60 FEDERAL STREET



1st St

H

Folsom St

RINCON
HILL



SET PICKUP LOCATION 

MINI



MINI

3rd St

Interstate 80

St

King St

Pier 40







?



?



?



?



?



?



?



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6. Verslo procesų automatizavimas

AI COLLAR

Japanese white-collar workers are already being replaced by artificial intelligence



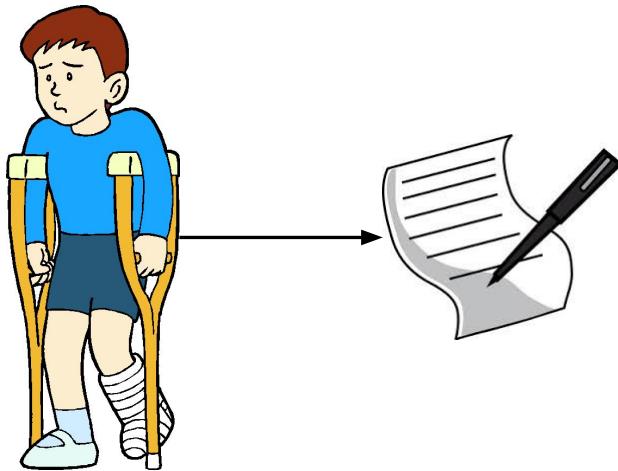


RISE OF THE MACHINES

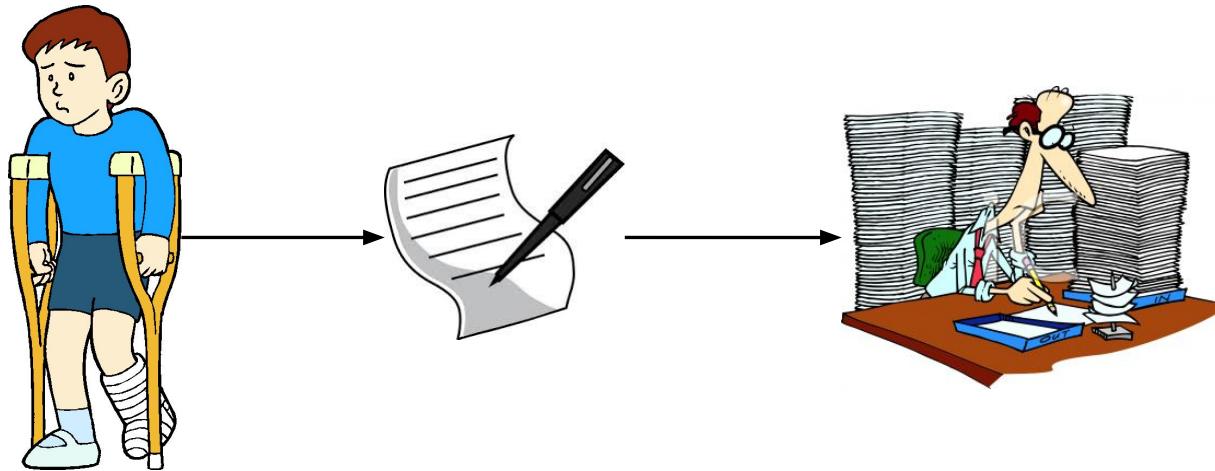
Draudimo išmokos gavimo procesas



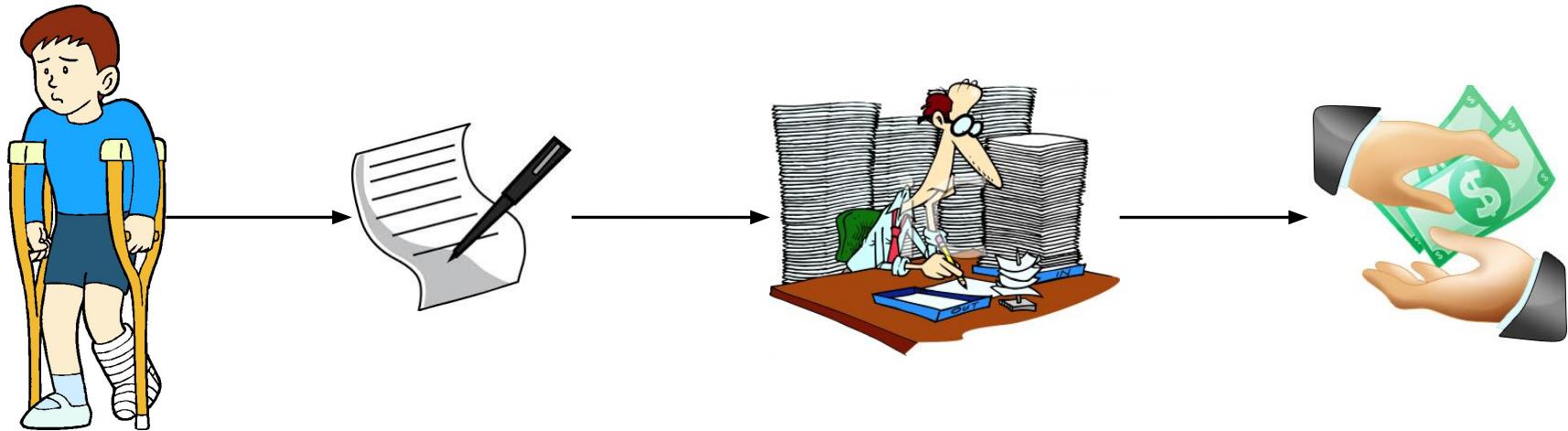
Draudimo išmokos gavimo procesas



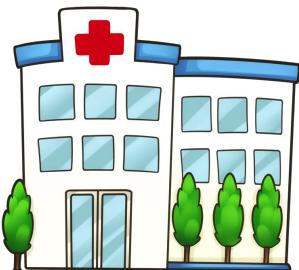
Draudimo išmokos gavimo procesas



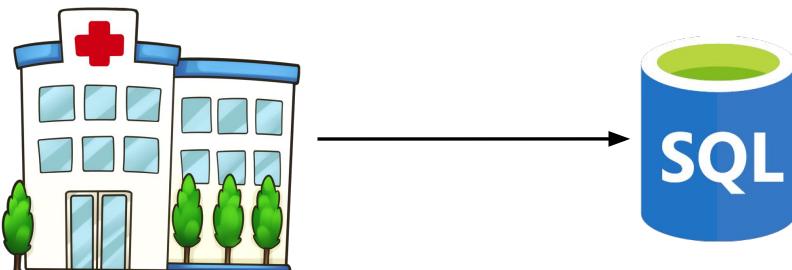
Draudimo išmokos gavimo procesas



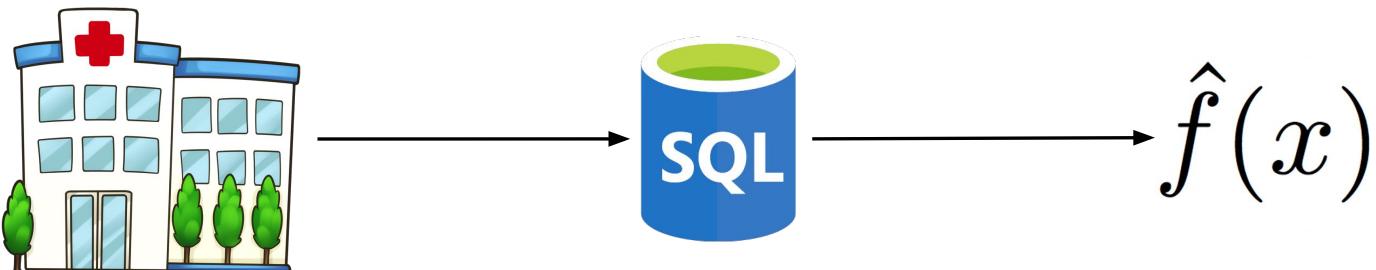
Draudimo išmokos gavimo procesas #2



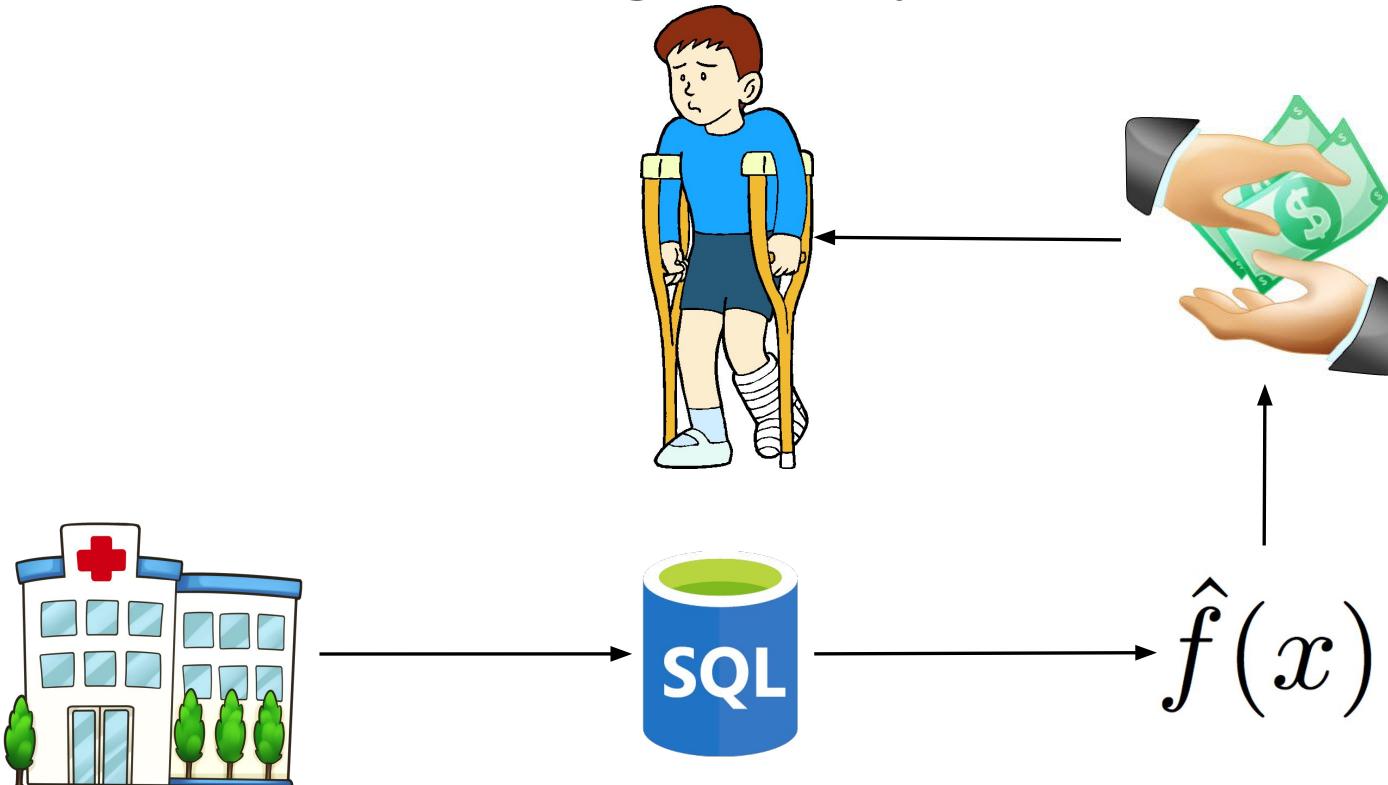
Draudimo išmokos gavimo procesas #2



Draudimo išmokos gavimo procesas #2



Draudimo išmokos gavimo procesas #2



7. Miestų veiklos optimizavimas

New York



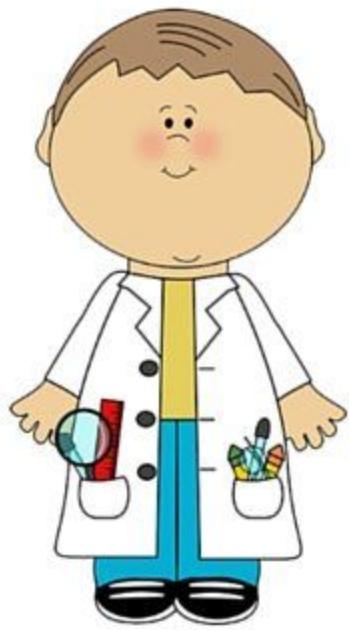
8. Sveikata





Komanda + Technologijos





Data Engineer



vs **Data Scientist**



Atsakomybės



Atsakomybės

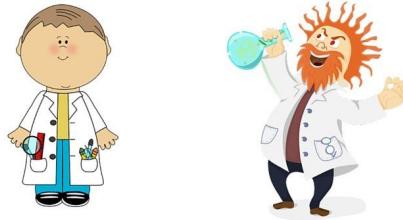
Data Engineer

Komponentų kūrimas

Technologijų parinkimas

Automatizavimas

Greitaveika



Atsakomybės

Data Engineer

Komponentų kūrimas

Technologijų parinkimas

Automatizavimas

Greitaveika

Data Scientist

Duomenų modelių kūrimas

Duomenų šaltinių paieška

Rezultatų pristatymas

Duomenų detektyvas



Technologijos



Technologijos

Data Engineer

Java (Scala), Python, .Net

SQL, NoSQL

ETL, Kafka

Linux, Bash, Powershell



Technologijos

Data Engineer

Java (Scala), Python, .Net

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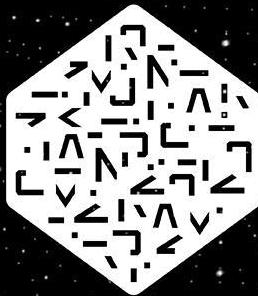
Data Scientist

R, Scala, Python

SQL, NoSQL

Tableau, PowerBI, d3.js

kaggle™



NUMERAI

"Without data
you're just another person
with an opinion."

W. Edwards Deming