

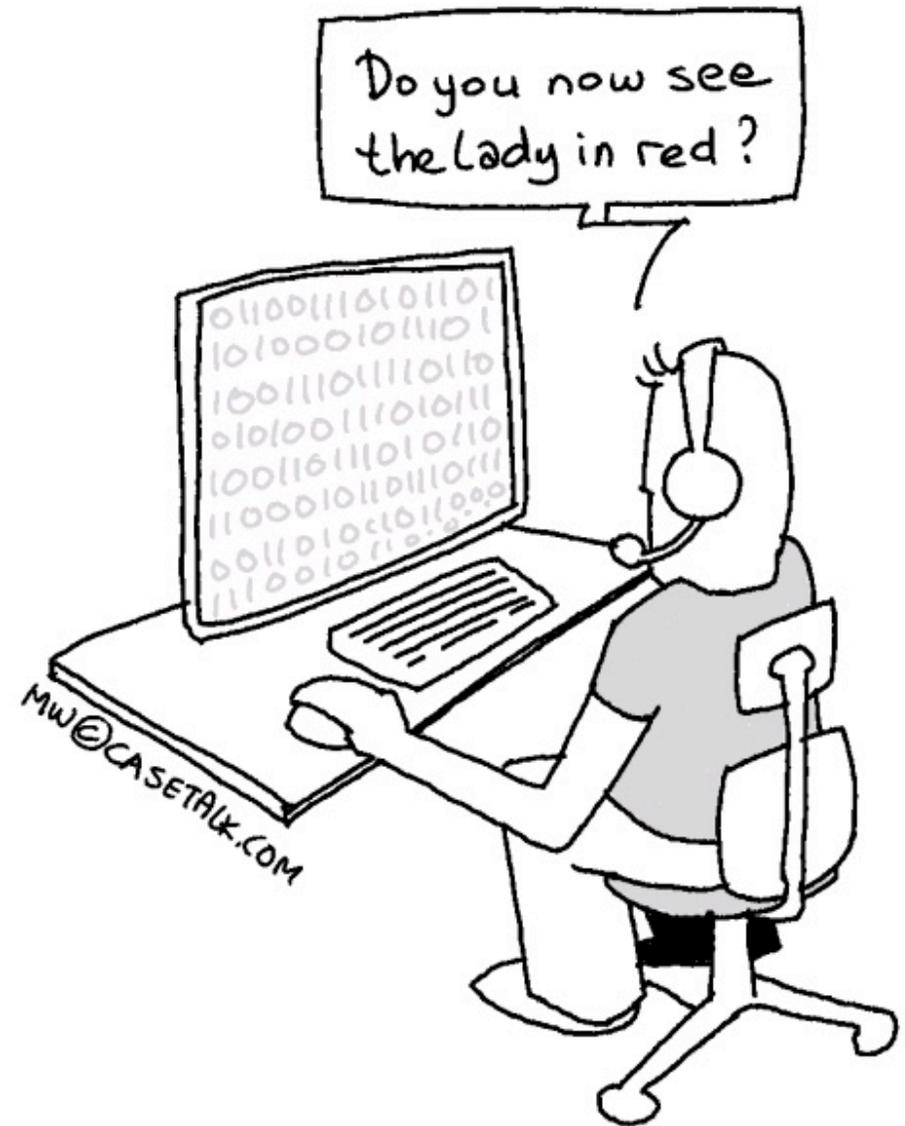
## UNLEASHING DATA'S POTENTIAL

- Mastering Precision with FCOIM



# THERE IS NO SPOON

*by Marco Wobben*

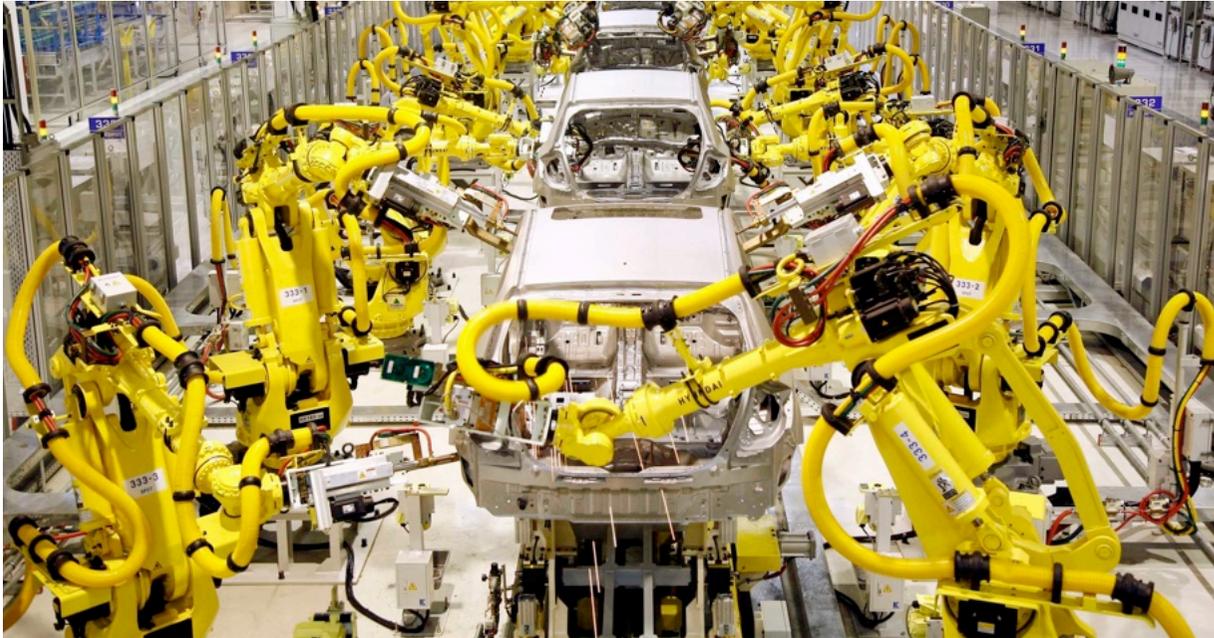




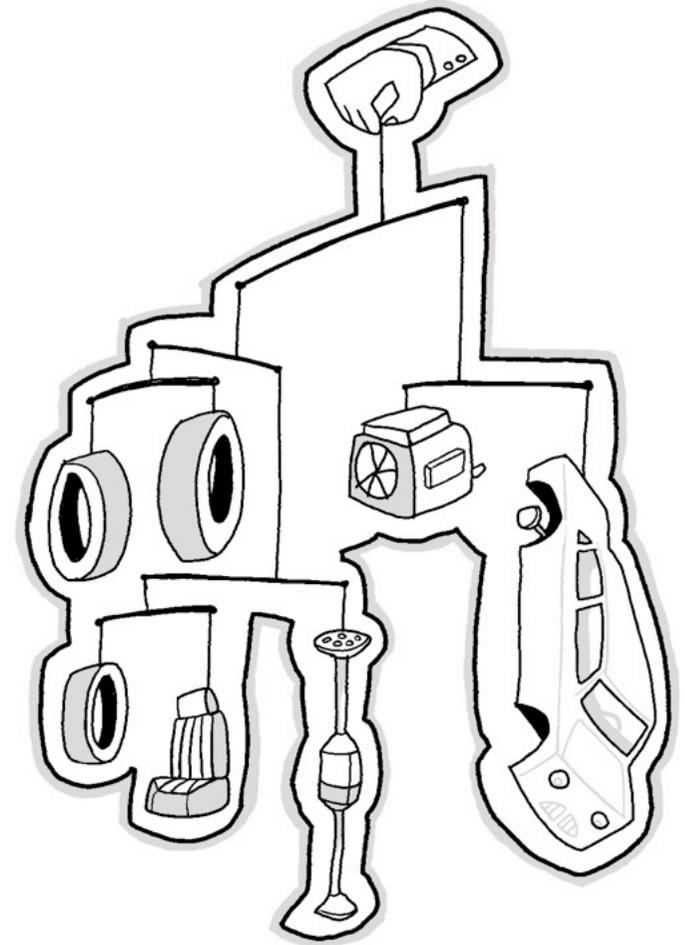
THE SECOND BEFORE YOU REALIZE  
IT NEVER WAS "JUST" DATA .



MW©CASETALK.COM

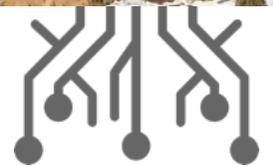


CAN YOU STILL DRIVE IF YOU MANAGE ALL YOUR (DATA-)PARTS INDIVIDUALLY ?



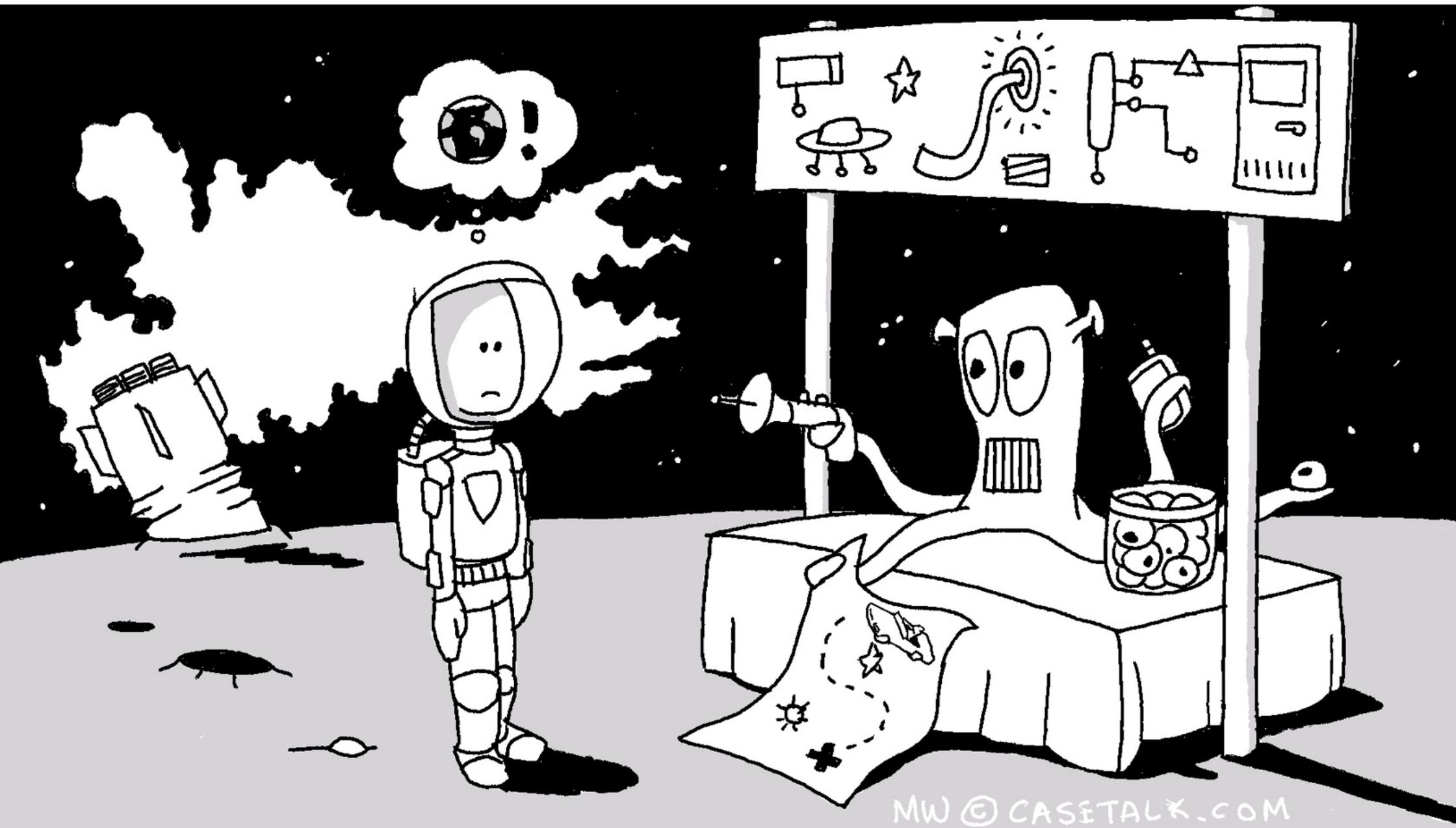
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# JUST DO 'IT'



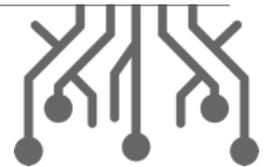
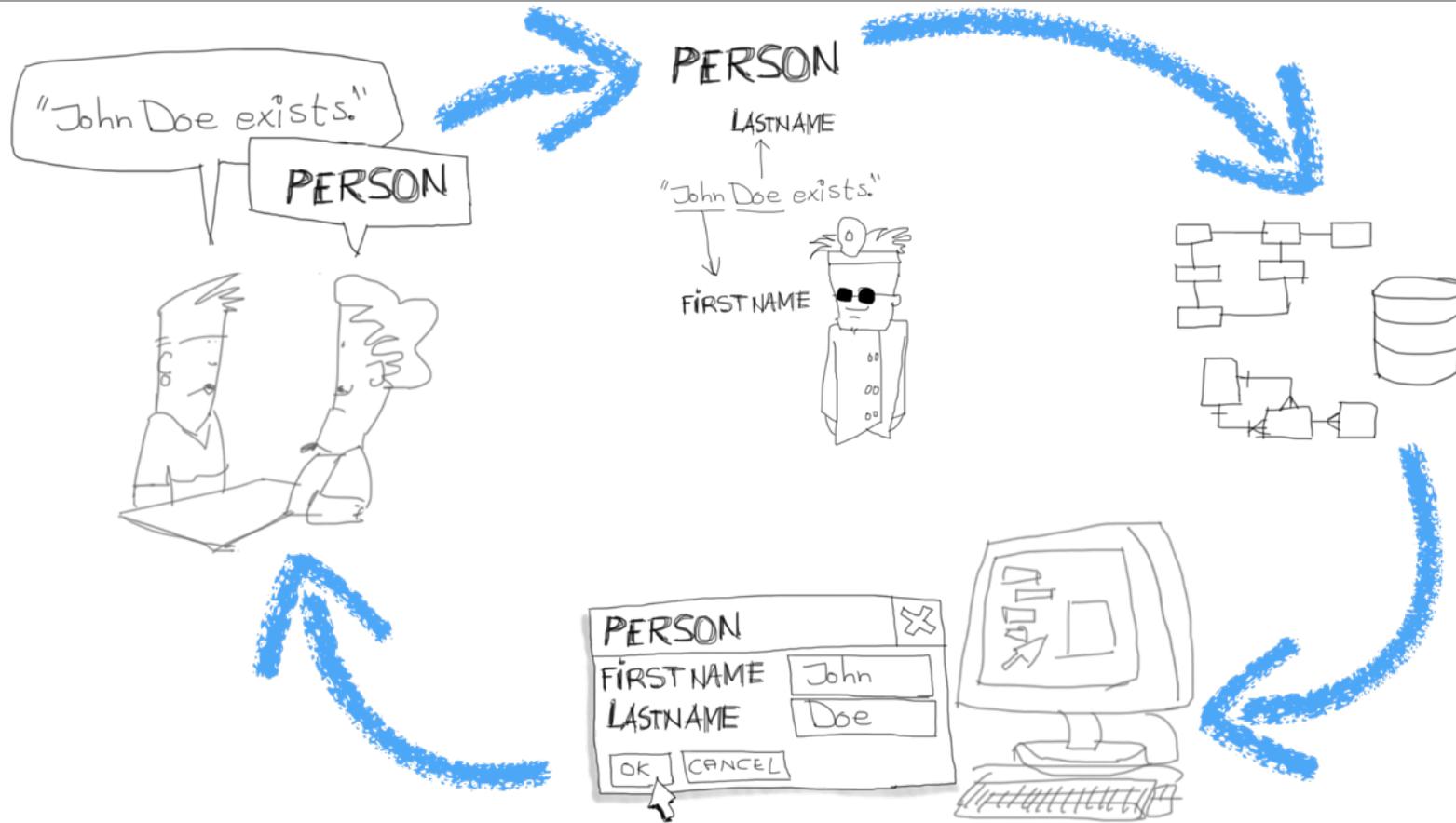
# COMMUNICATE





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# ALIGNMENT



# BUILDING BLOCKS



IF DATA IS NOT MODELLED  
AFTER COMMUNICATION  
WHAT DOES IT COMMUNICATE?



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## NOT

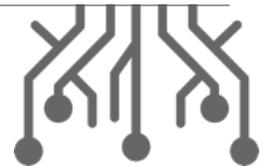
tables, entities, classes,  
columns, or properties ...

## NOR

xml, json, api, owl, rdf,  
gql, sql, nosql, graph,  
datavault, dwh, ..

## INSTEAD

relations in the communication  
are the real building blocks

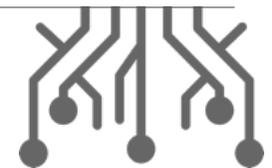
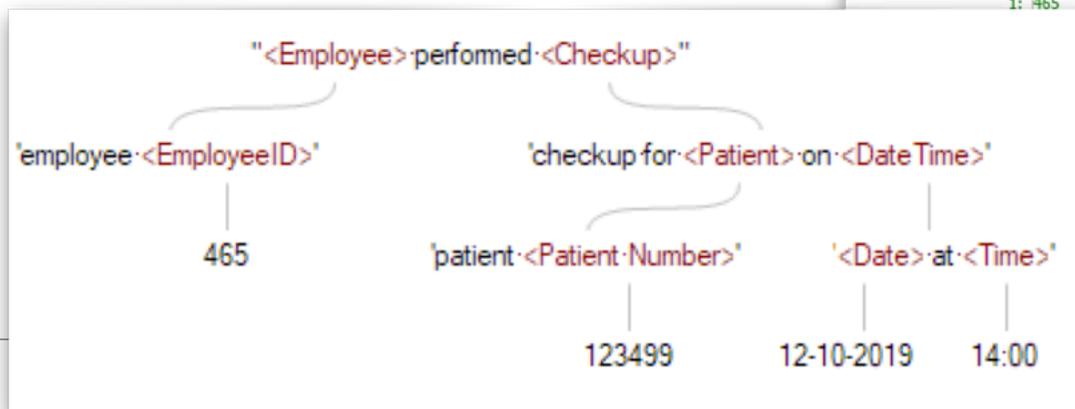
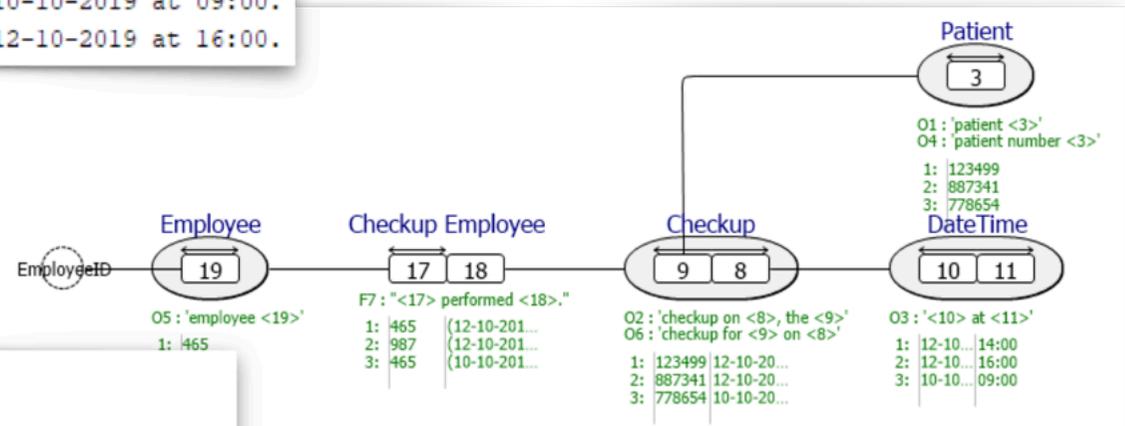


# FEEDBACK LOOPS

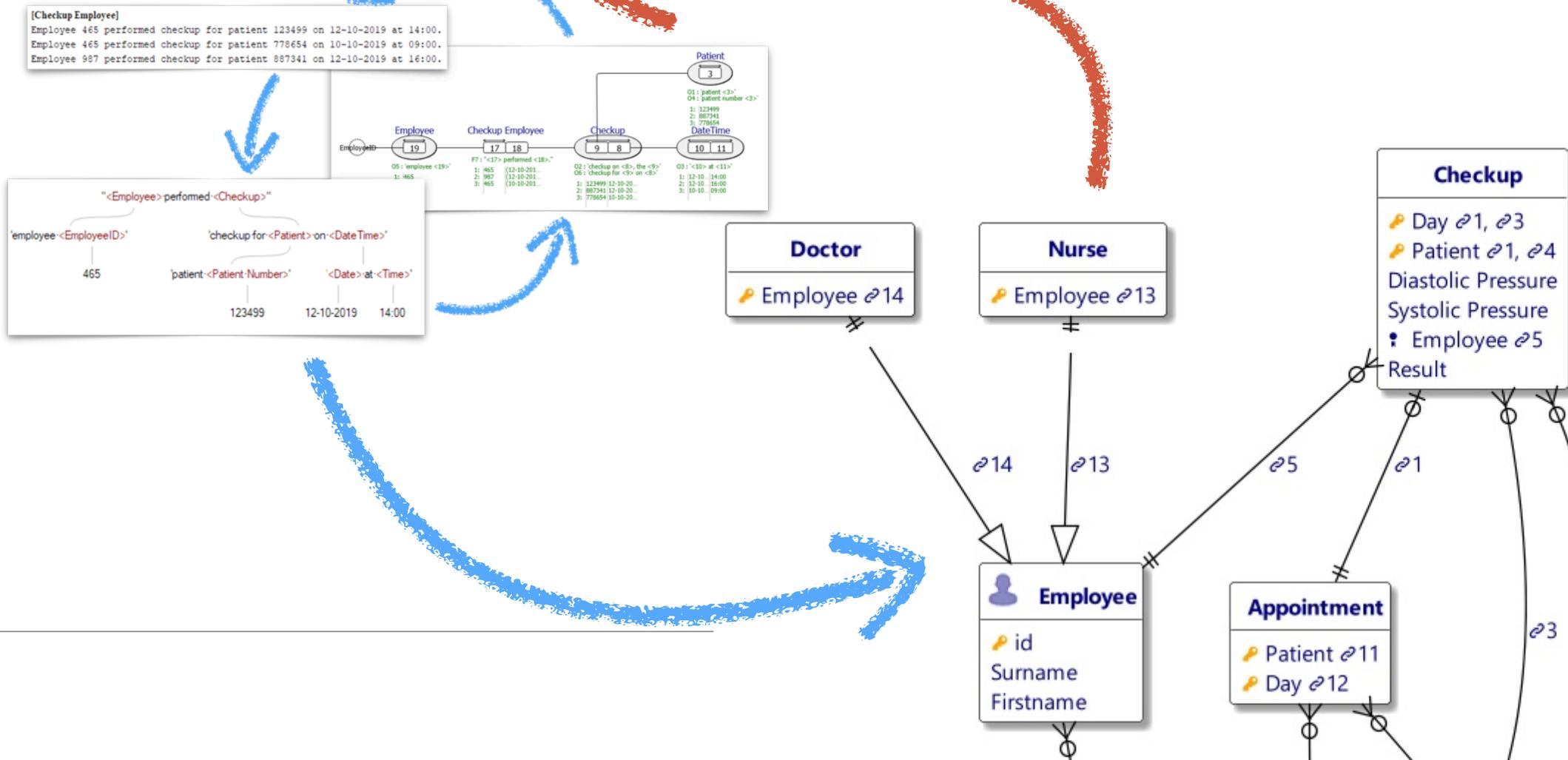


## [Checkup Employee]

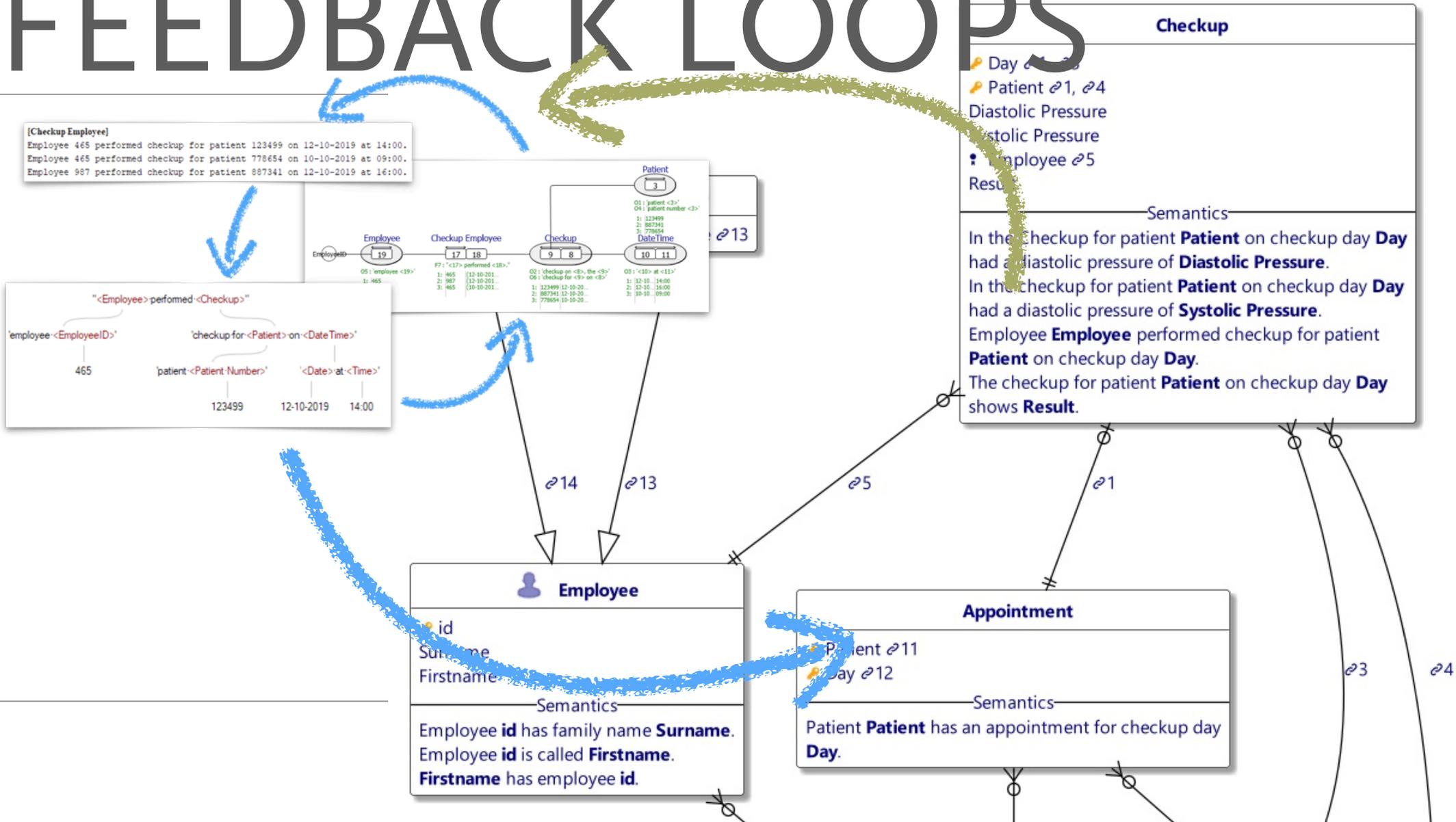
Employee 465 performed checkup for patient 123499 on 12-10-2019 at 14:00.  
 Employee 465 performed checkup for patient 778654 on 10-10-2019 at 09:00.  
 Employee 987 performed checkup for patient 887341 on 12-10-2019 at 16:00.



# FEEDBACK LOOPS



# FEEDBACK LOOPS

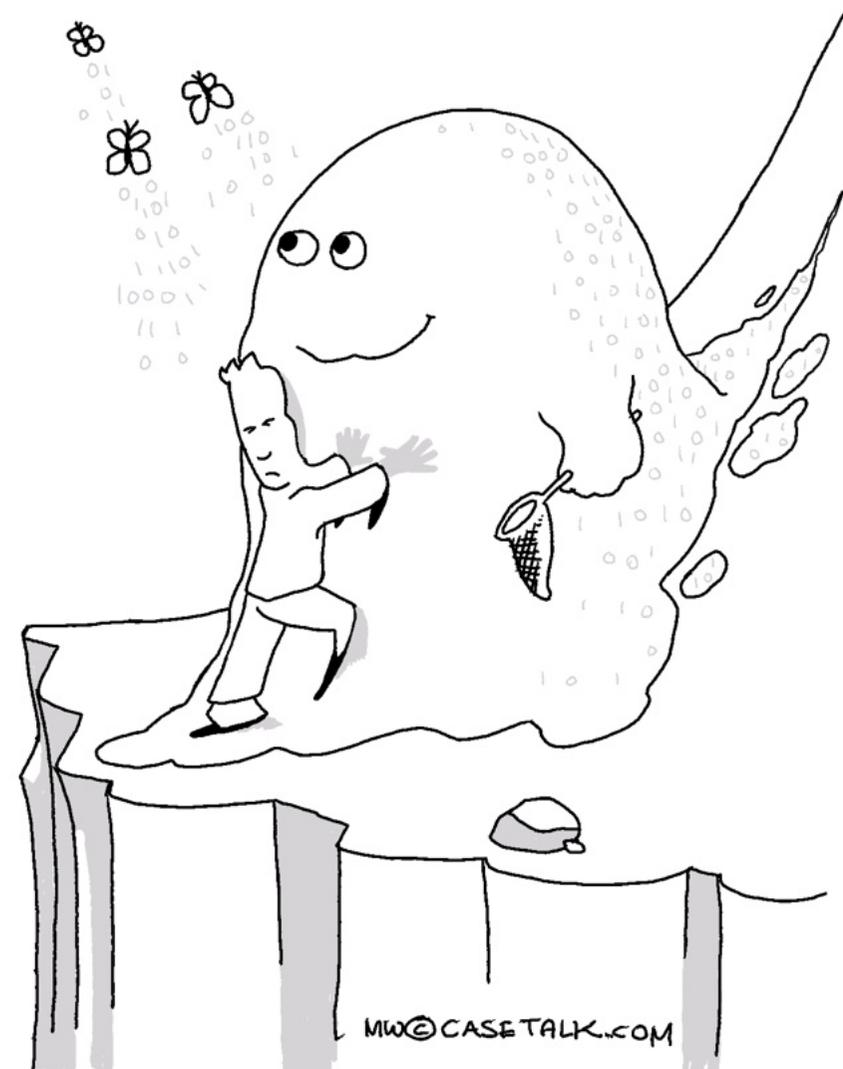




# LIVE DEMO

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DATA ARCHITECTS  
AT WORK



# SOURCES

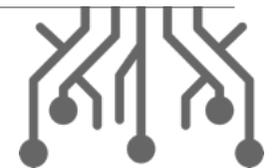


Patient number: 564432  
Patient name: Tom Harvey  
Birth date: 1963/12/25  
Gender: male / female

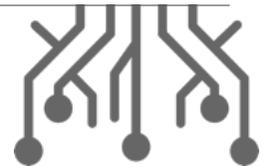
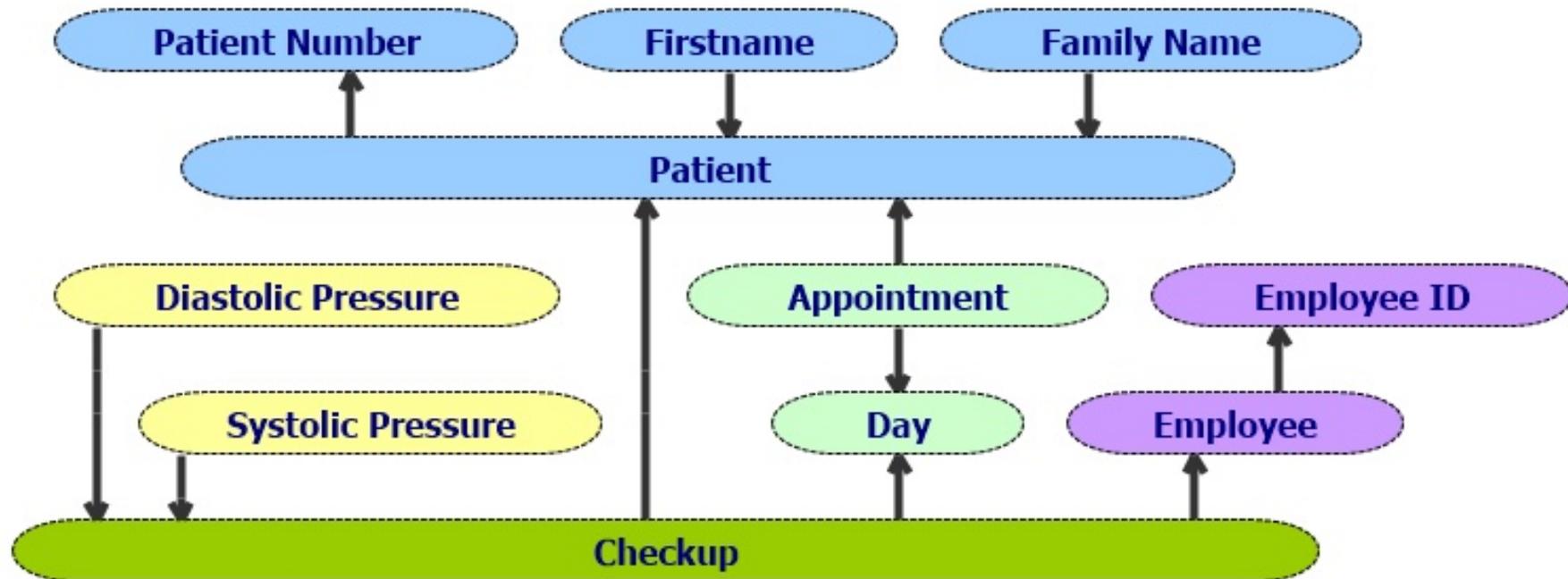
Date	Systolic	Diastolic
2010/10/13	170	110
2011/10/12	160	105
2012/10/24	160	95

Patient number: 587669  
Patient name: Leonard Reed  
Birth date: 1955/07/13  
Gender: male / female

Date	Systolic	Diastolic
2011/09/09	150	100
2012/09/24	150	95



# CONCEPTS



# VERBALIZATION



"<Employee> performed <Checkup>."

'Employee <EmployeeID>'

465

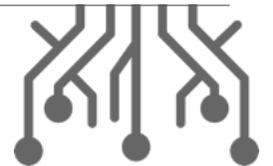
'Checkup for <Patient> on <Day>'

'Patient <Patient Number>'

587669

'Checkup day <Date>'

2011/09/09



# BODY OF TEXT

## Blood Pressure Category

The classification of a person's blood pressure based on the readings of their systolic and diastolic pressure.

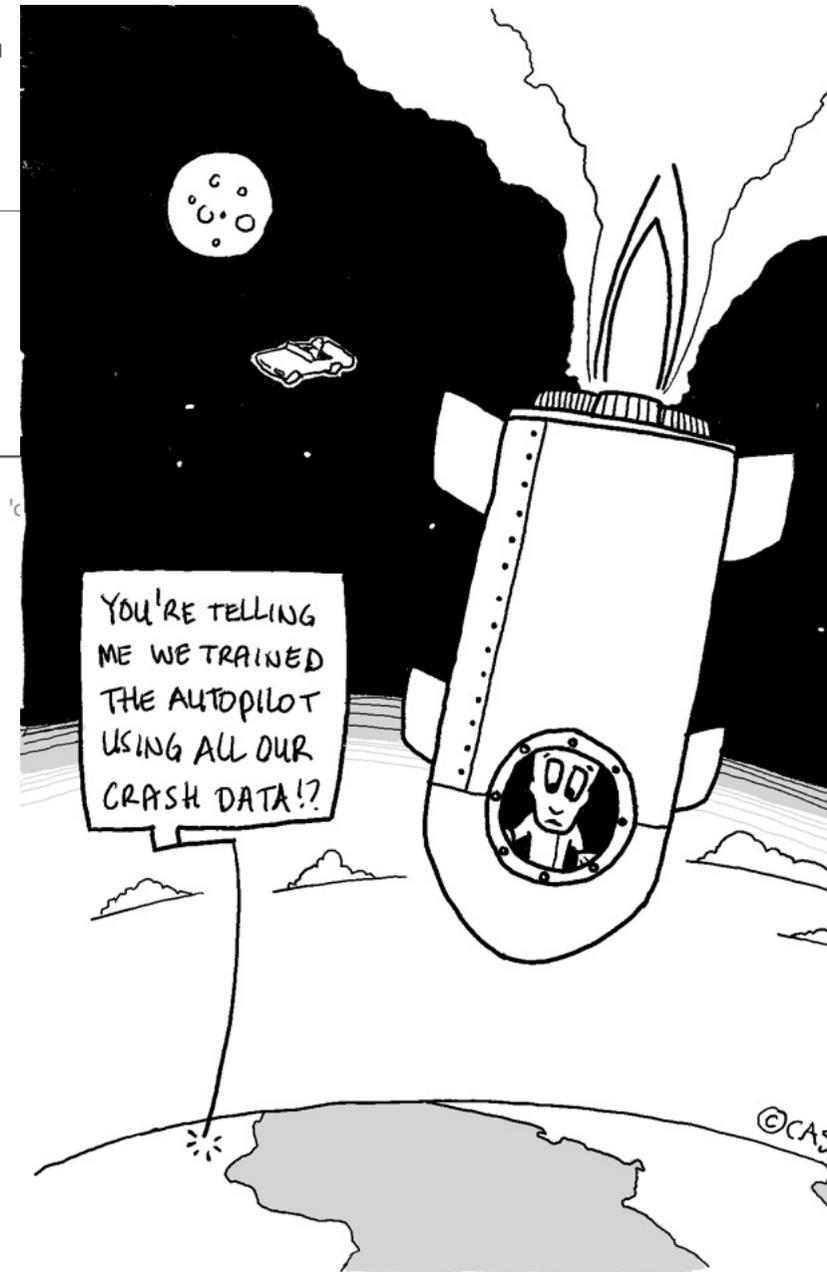
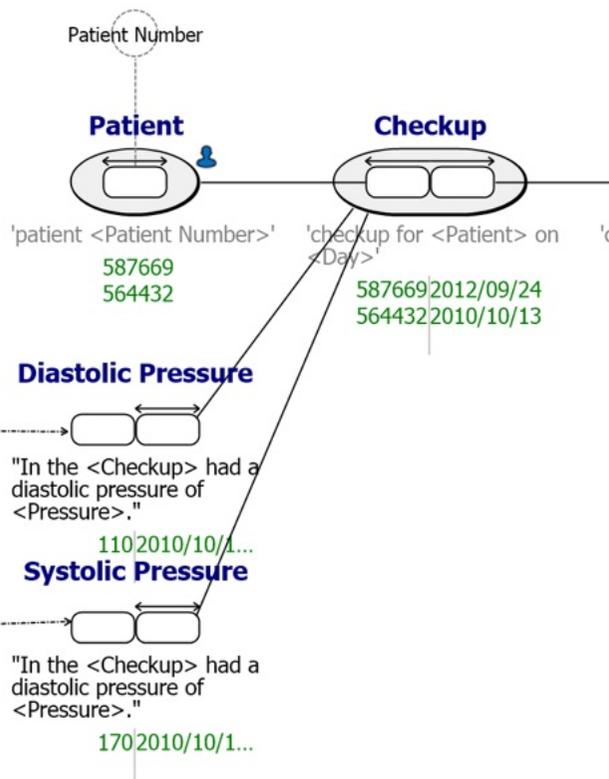
Normal

Blood pressure numbers of less than 120/80 mm Hg (millimeters of mercury) are considered within the normal range. If your results fall into this category, stick with heart-healthy habits like following a balanced diet and getting regular exercise.

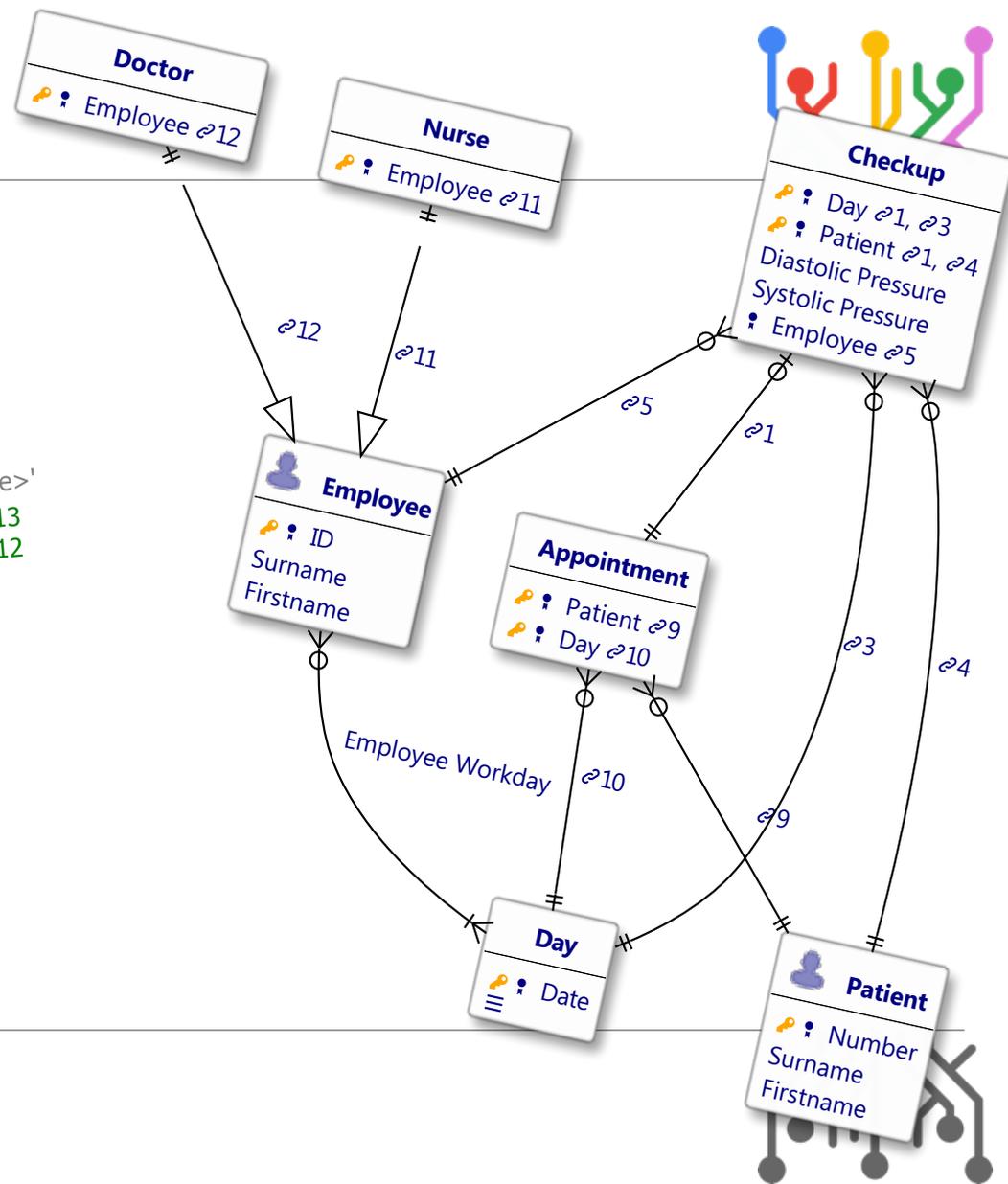
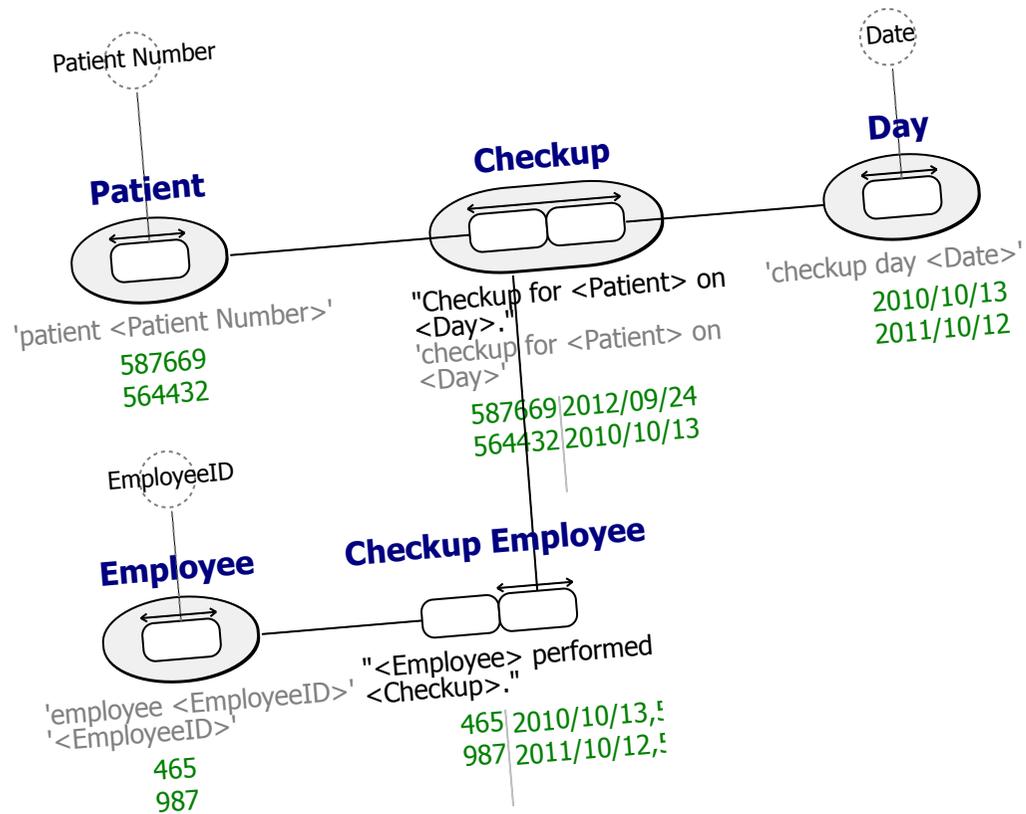
Elevated

Elevated blood pressure is when readings consistently range from 120-129 systolic and less than 80 mm Hg diastolic. People with elevated blood pressure are likely to develop high blood pressure unless steps are taken to control the condition.

...



# DIAGRAMS

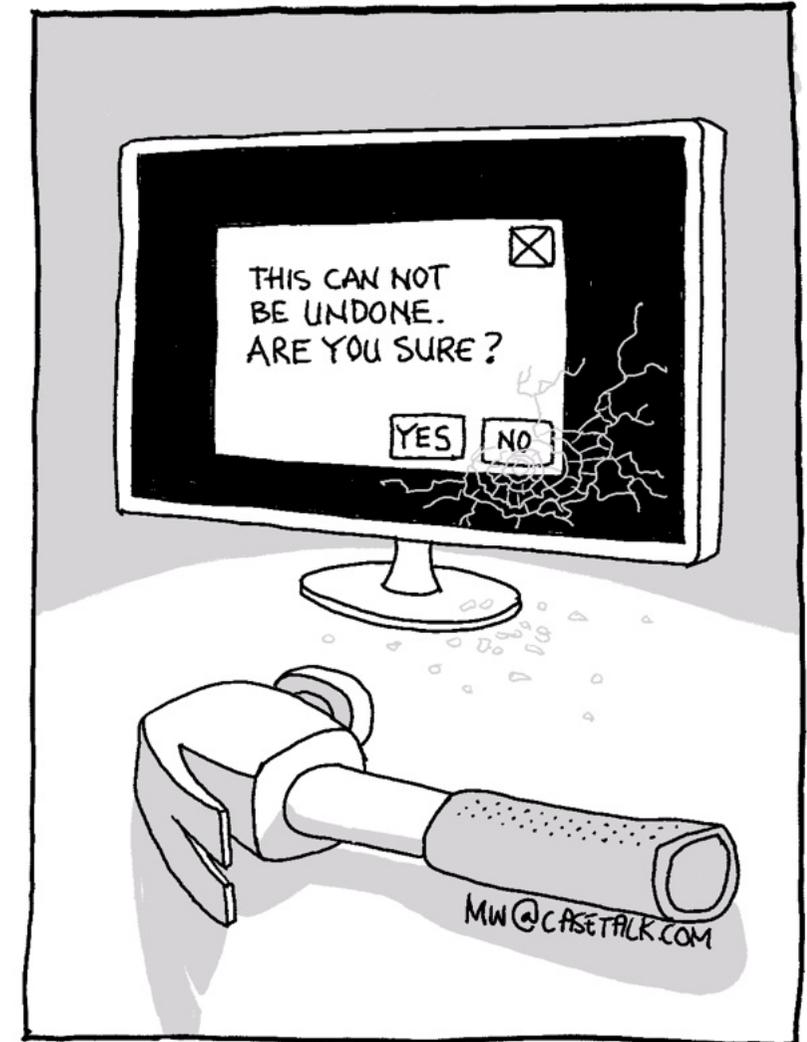


# ARTIFACTS

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- sql (ddl, dml)
  - ensemble models (data vault, etc)
  - source code (python, java, etc)
  - er/studio , datavault builder, powerdesigner
  - rdf/owl
  - json, xsd
  
  - Multi Lingual
- 

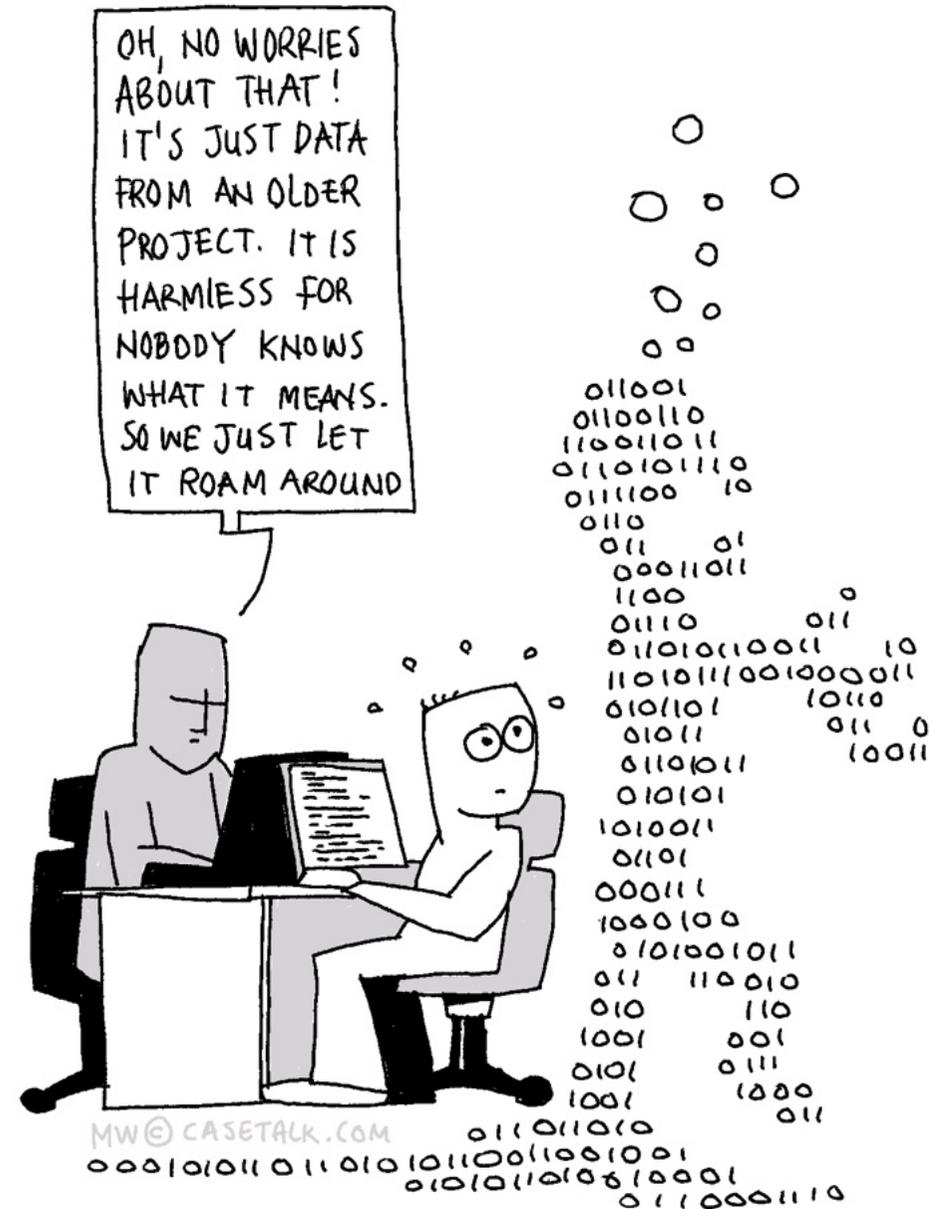
TO CHOOSE THE RIGHT TOOL ...



# ANNOTATE

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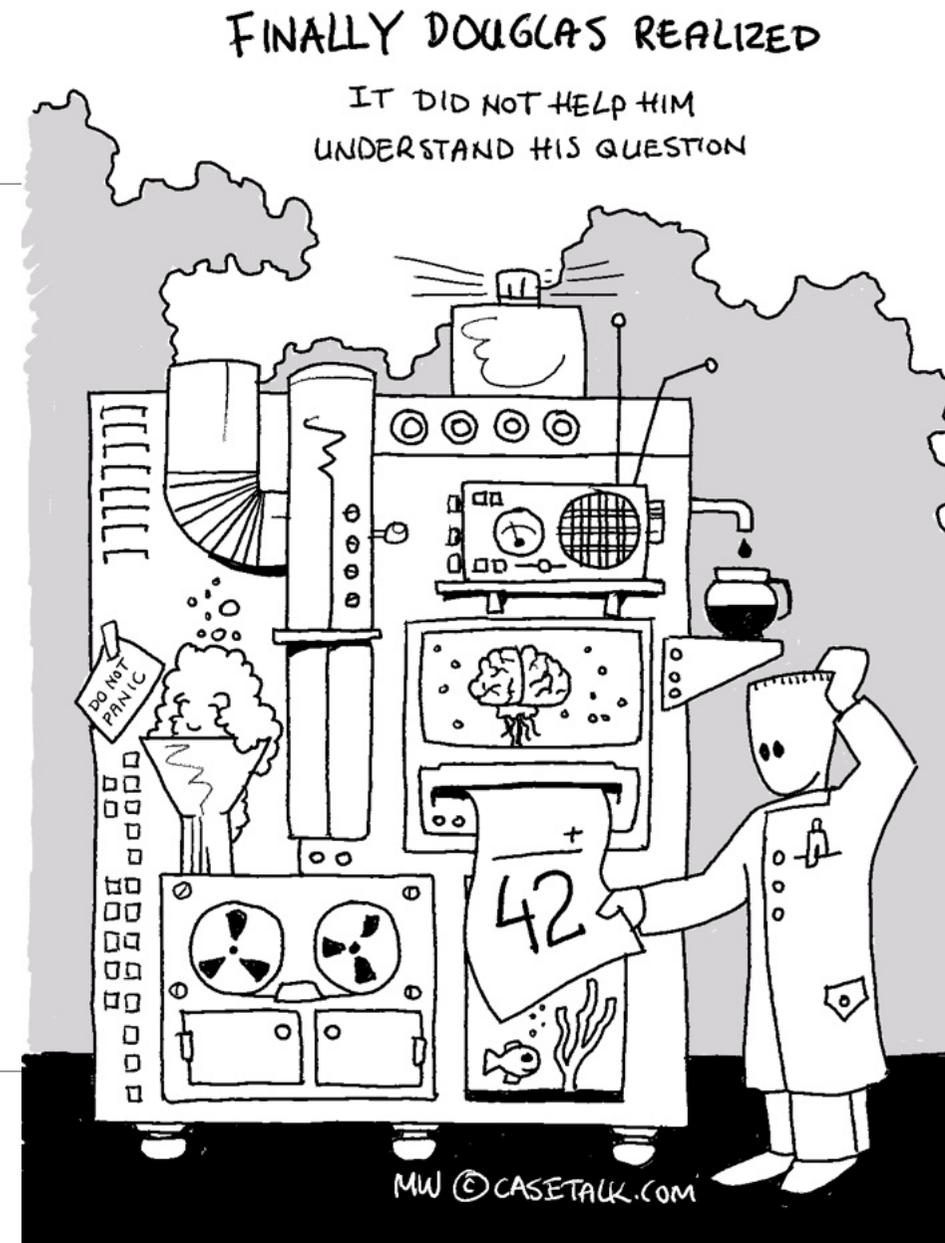
- custom attributes
- temporal
- concept types
- annotations
- uri sensitive



# ENTERPRISE

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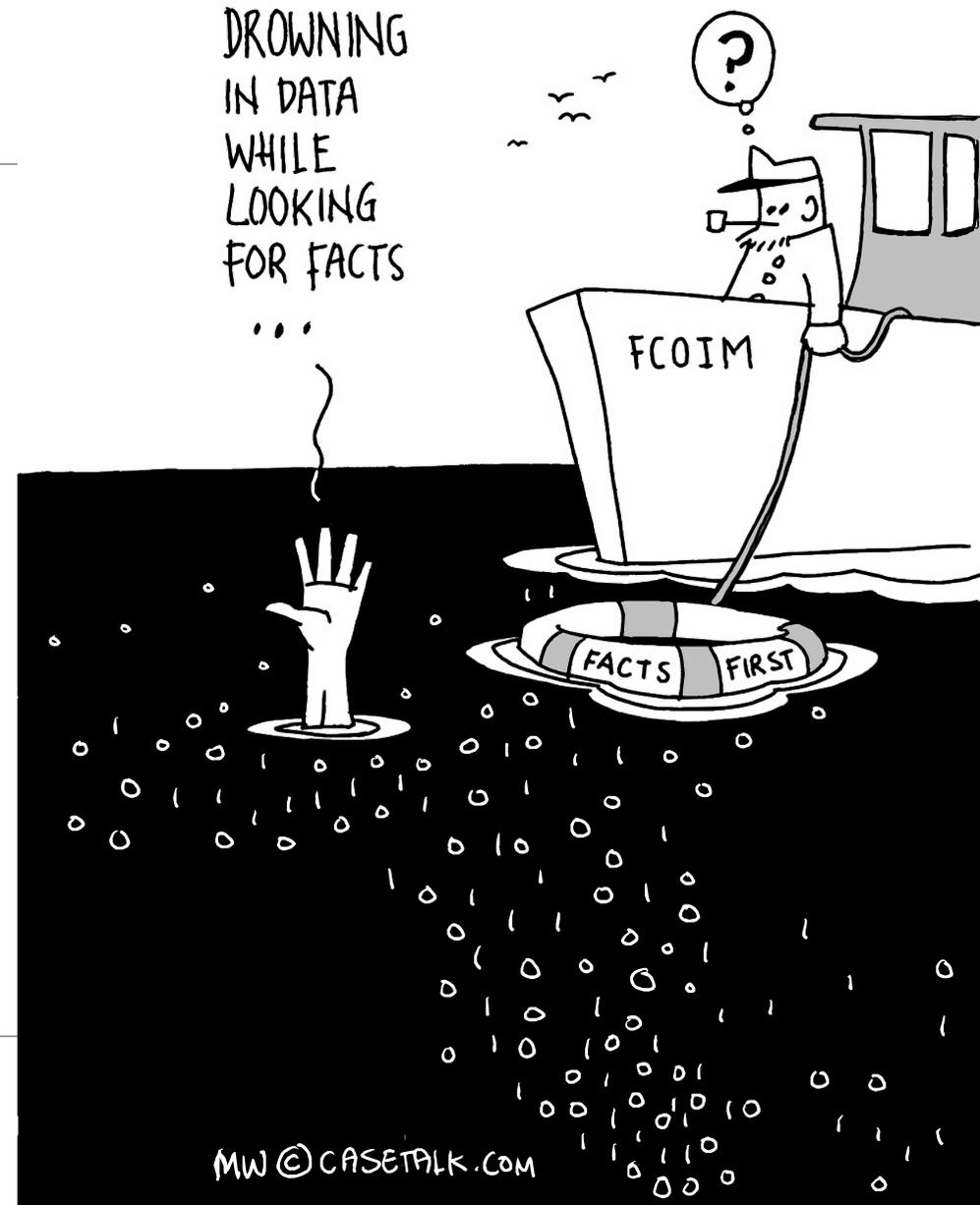
- Multi Model
  - Multi Version
  - Multi Lingual
  - Multi User
  
  - Suite: Modeler, Manager, Portal
  
  - Top-Down & Bottom-Up Approach
  - Vertical & Horizontal Architecture
- 



# WANT TO

---

- Be an information modeler
  - Be curious and open minded
  - Be the bridge between IT and Business
  - Be the one who gets things correct
  - Be the one with grit to get things done
  - Be the short term helper and long term thinker
  
  - Be the authoritative source for information
- 



# CASE TALK

- From Free to Enterprise Editions
- Natural language input/output
- Free Diagram Generating
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- Lots of Artifact generation
- Open to prevent lock-in
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- Flexible Venue Options
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- Upcoming:
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  - 17 - 21 Jun 2024, Genesee Labs, Golden, CO, USA

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# HUNGRY FOR MORE?

*marcow@casetalk.com*



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