

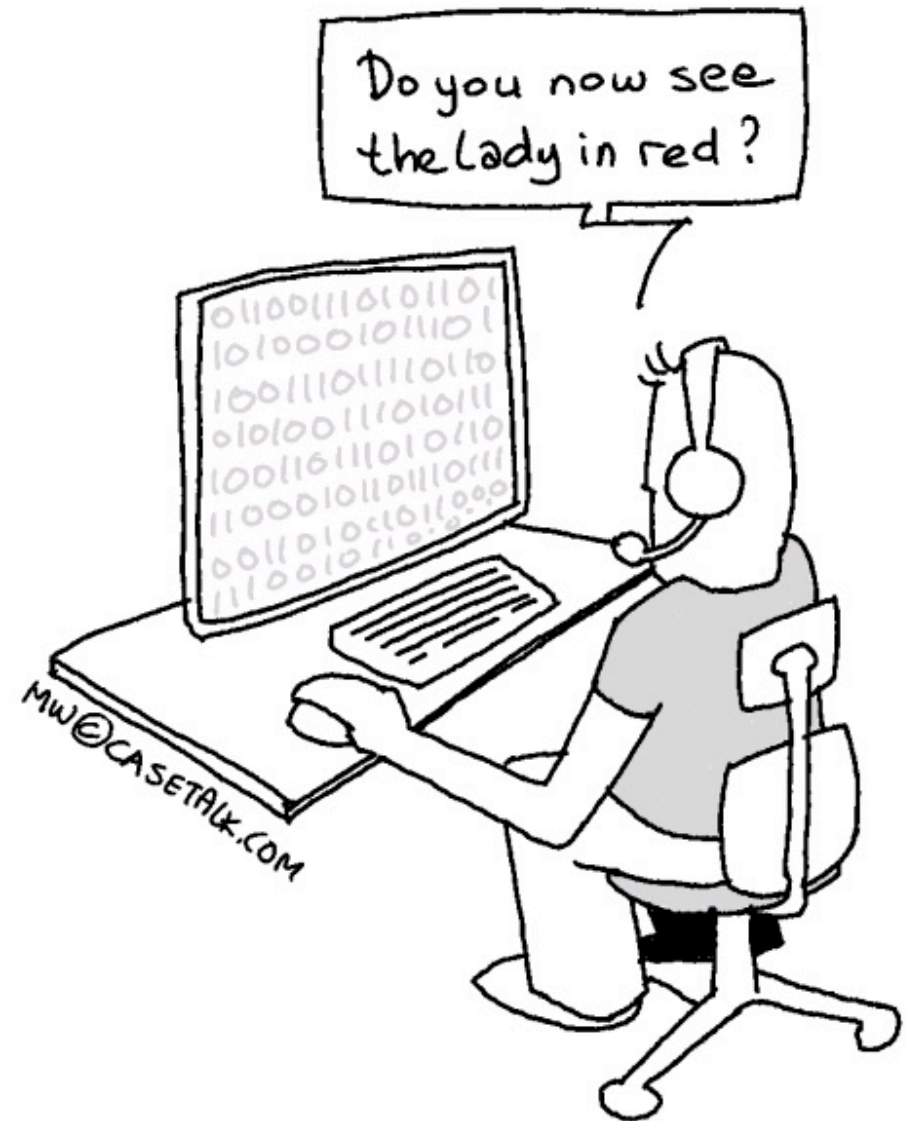
UNLEASHING DATA'S POTENTIAL

- Mastering Precision with FCOIM



THERE IS NO SPOON

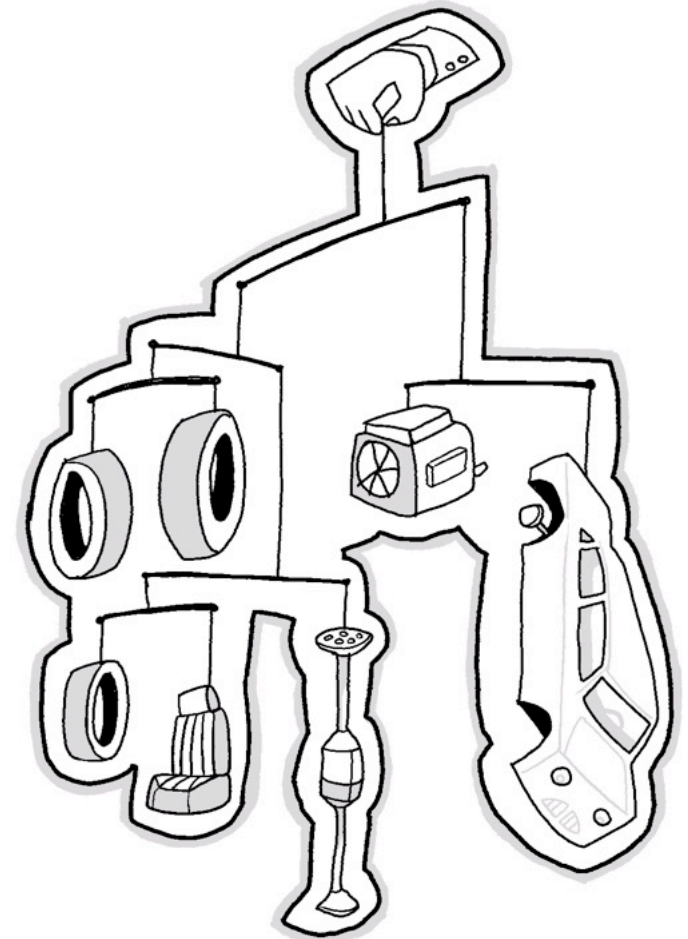
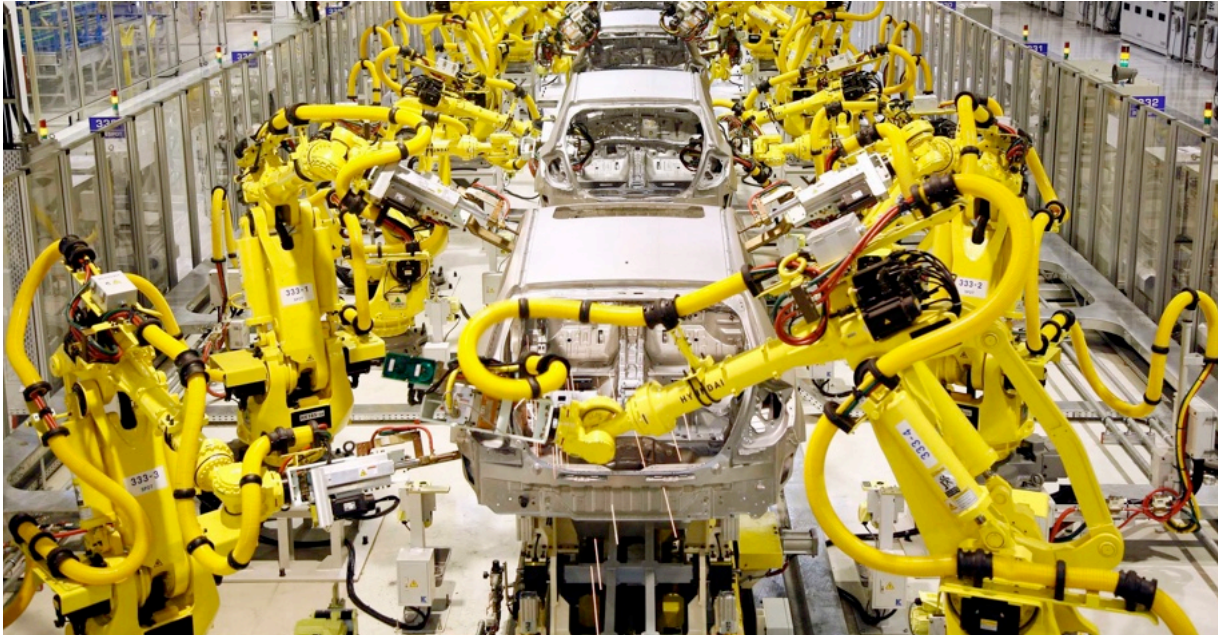
by Marco Wobben





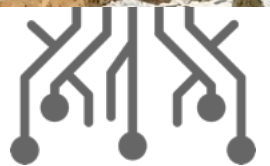


CAN YOU STILL DRIVE IF YOU MANAGE
ALL YOUR (DATA-) PARTS INDIVIDUALLY ?



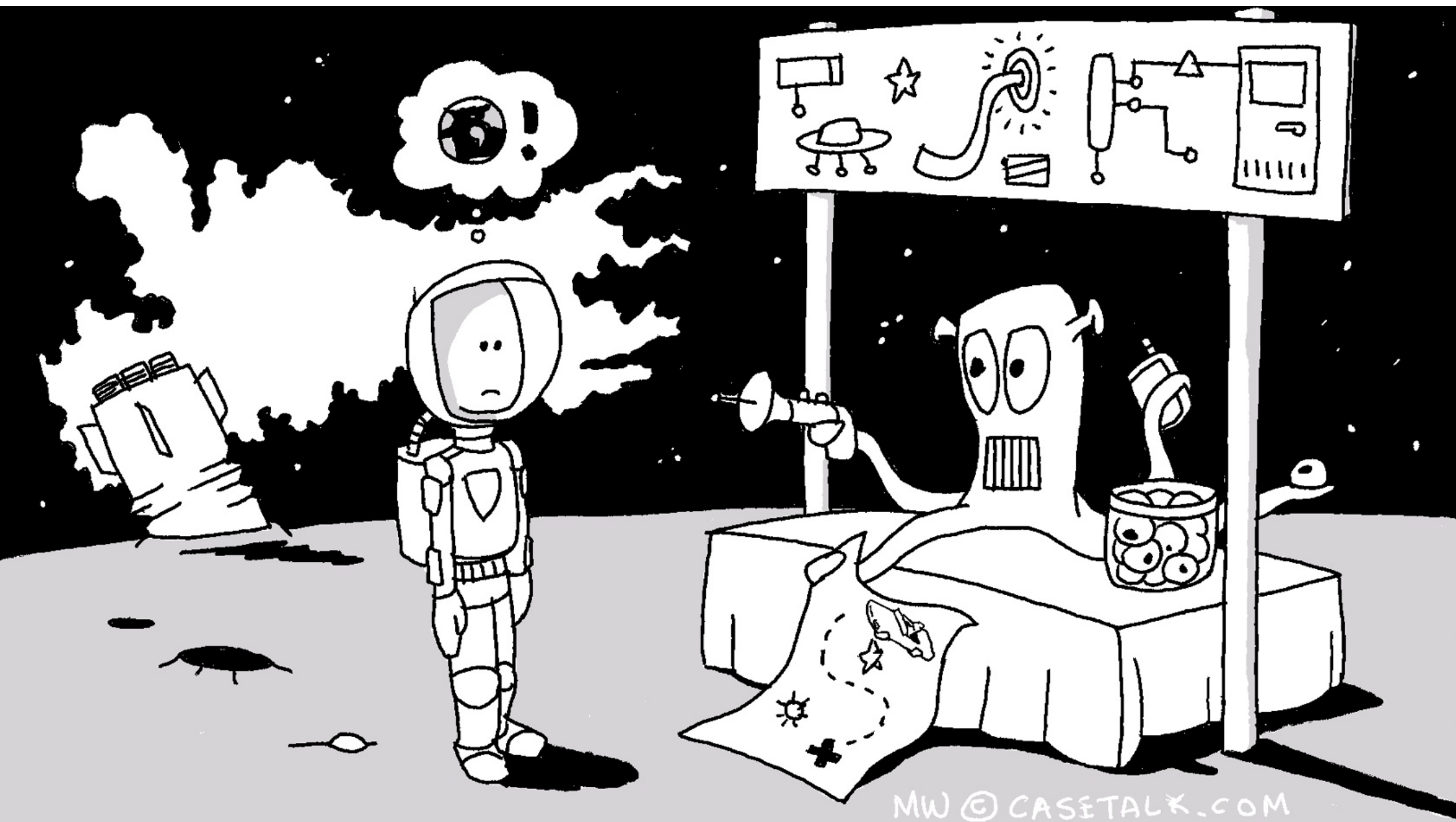
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JUST DO 'IT'



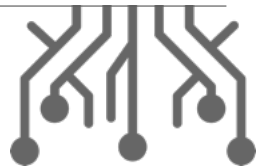
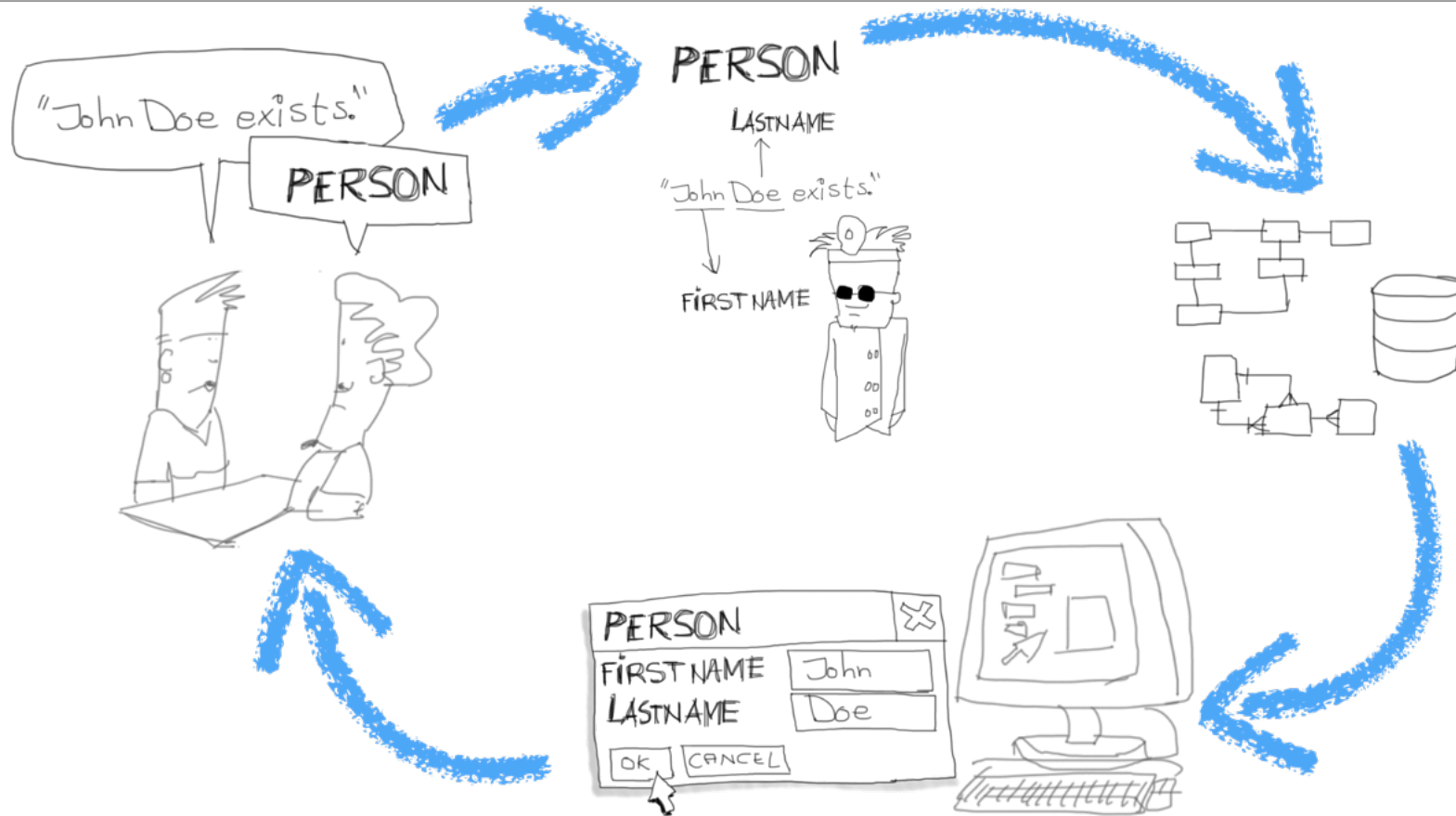
COMMUNICATE





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ALIGNMENT



BUILDING BLOCKS



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



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NOT

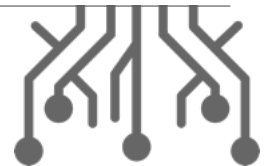
tables, entities, classes,
columns, or properties ...

NOR

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

INSTEAD

relations in the communication
are the real building blocks

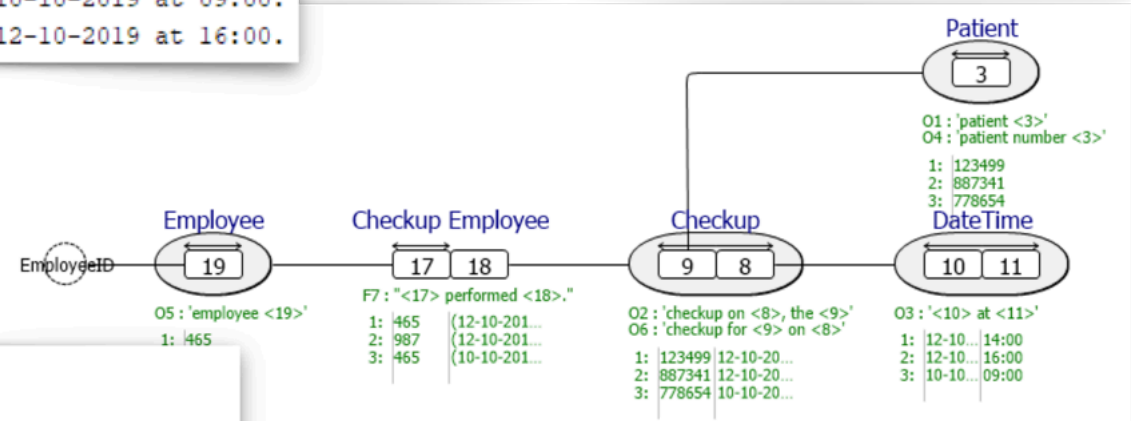


FEEDBACK LOOPS



[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.



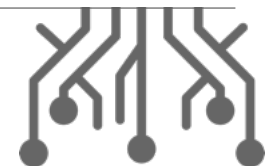
"<Employee> performed <Checkup>"

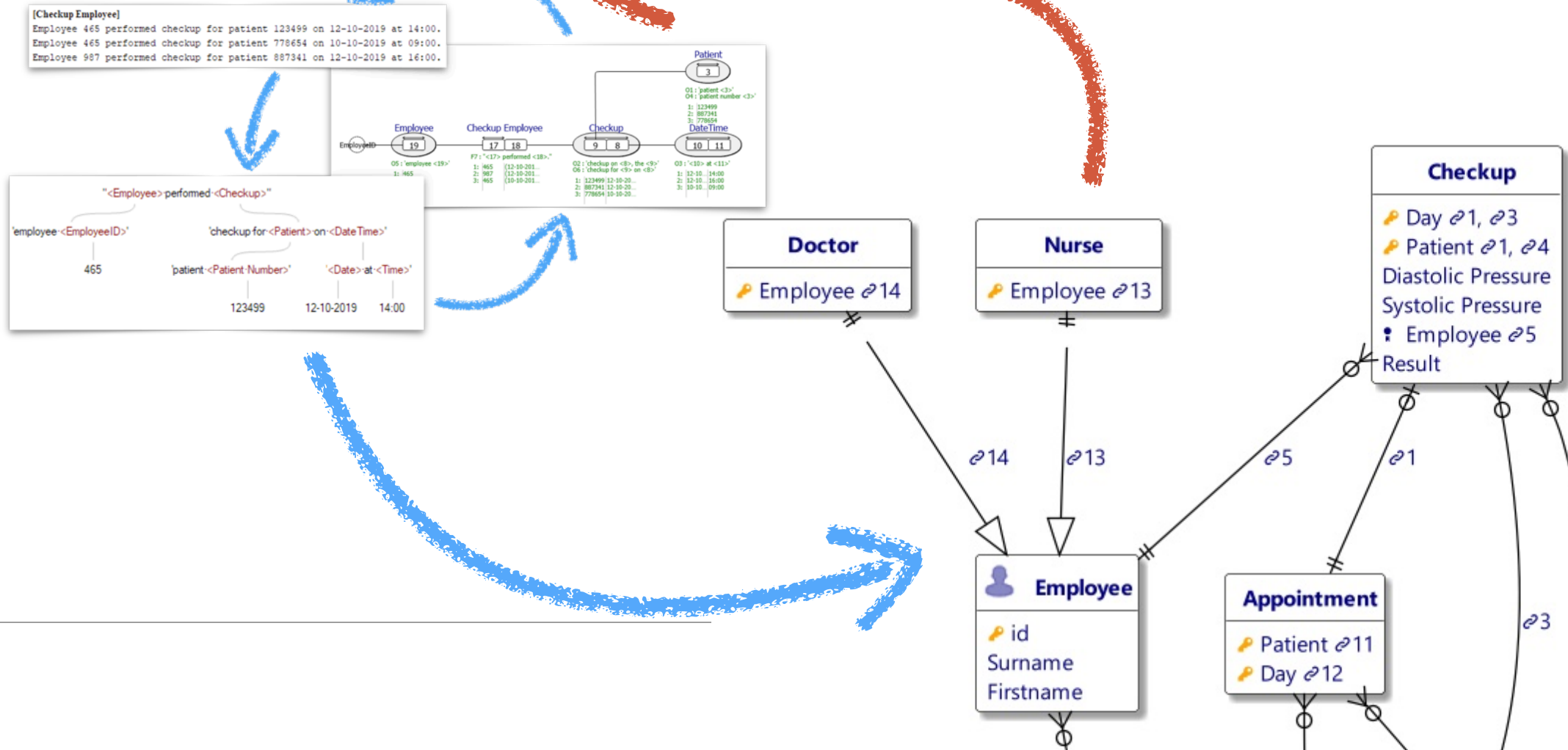
'employee·<EmployeeID>' 465

'checkup for·<Patient>·on·<DateTime>'

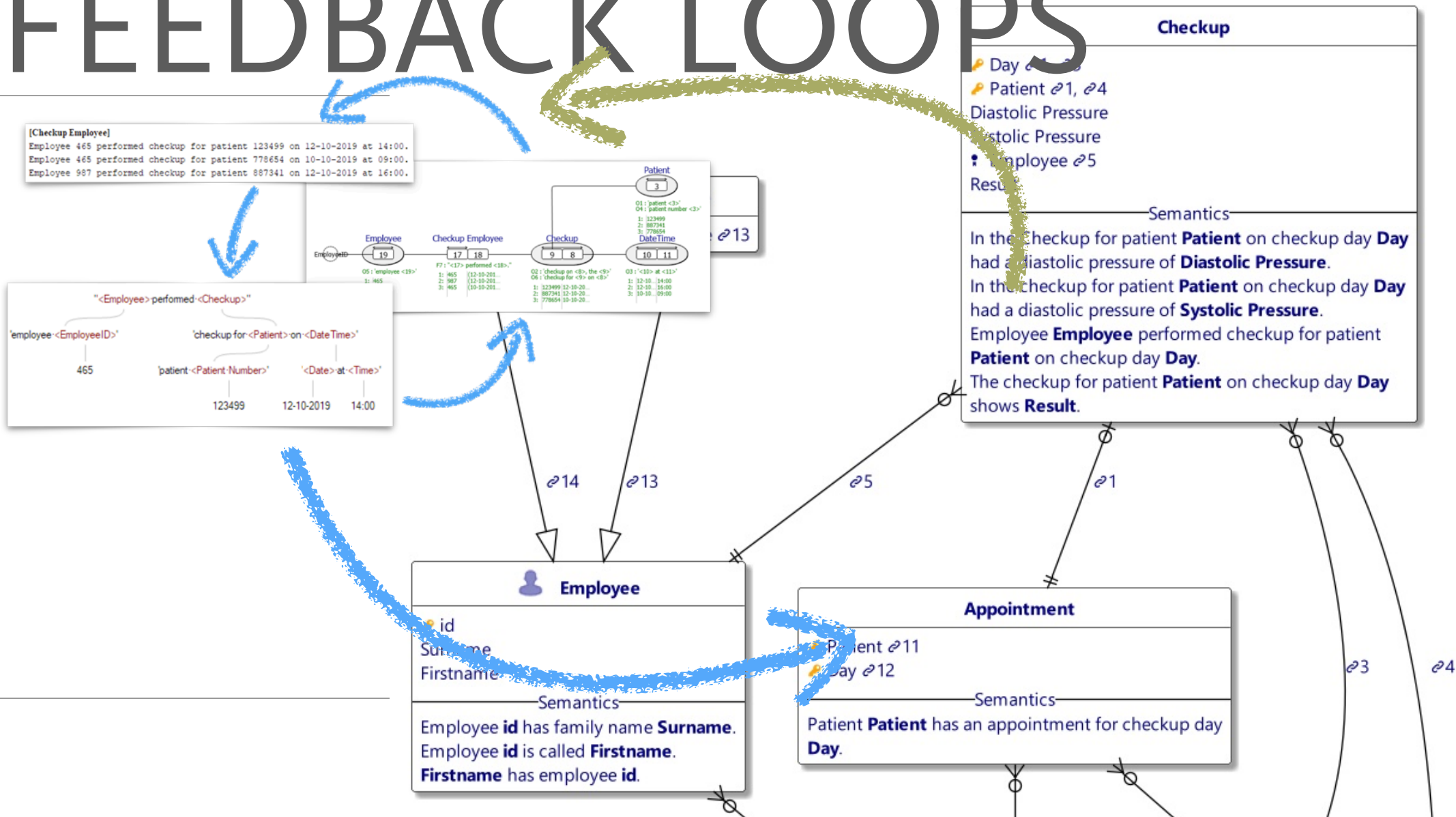
'patient·<Patient·Number>' 123499

'<Date>·at·<Time>' 12-10-2019 14:00





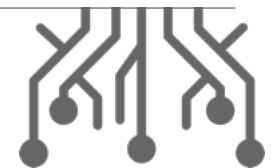
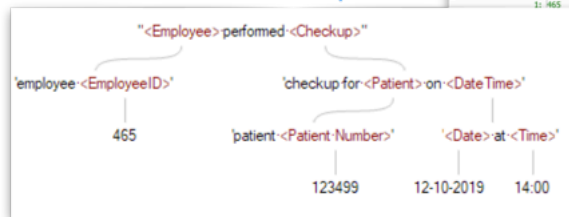
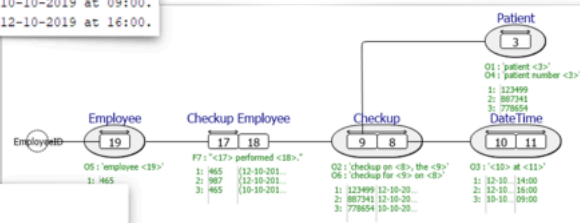
FEEDBACK LOOPS



FEEDBACK LOOPS

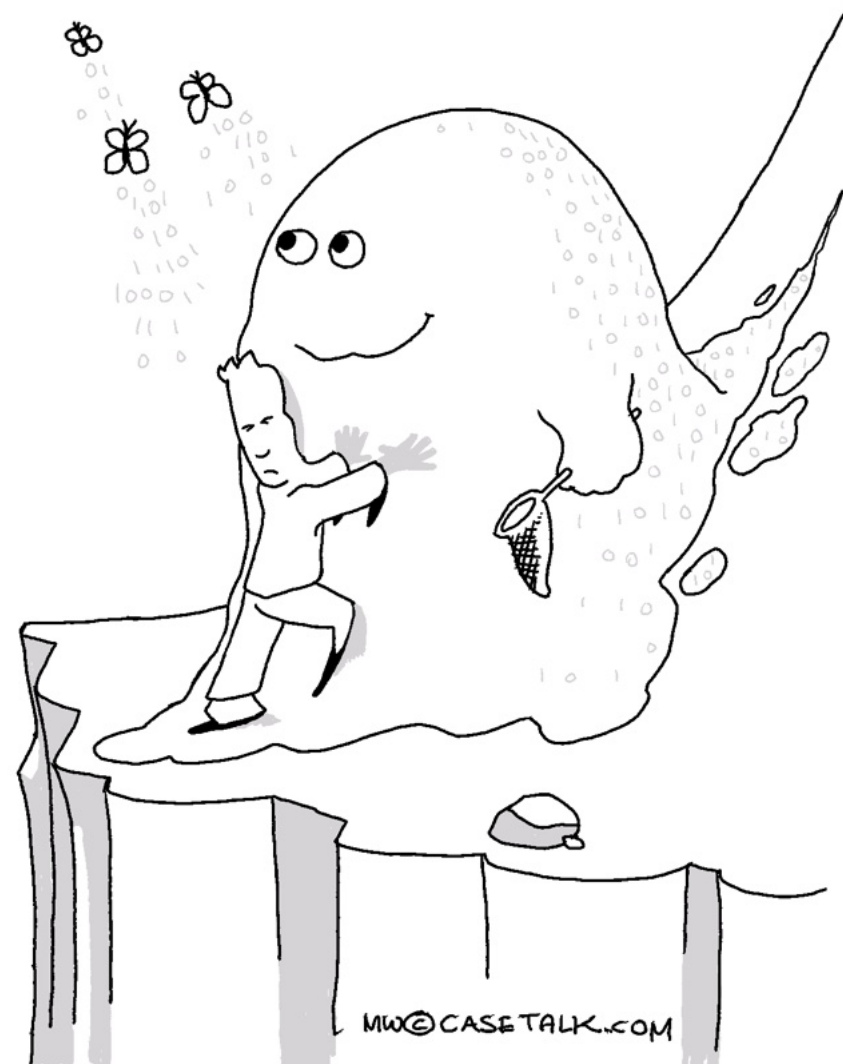


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LIVE DEMO

DATA ARCHITECTS
AT WORK



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SOURCES

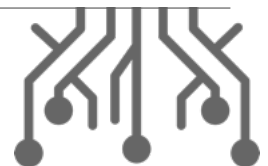


Patient number: 564432
Patient name: Tom Harvey
Birth date: 1963/12/25
Gender: male / female

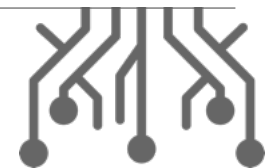
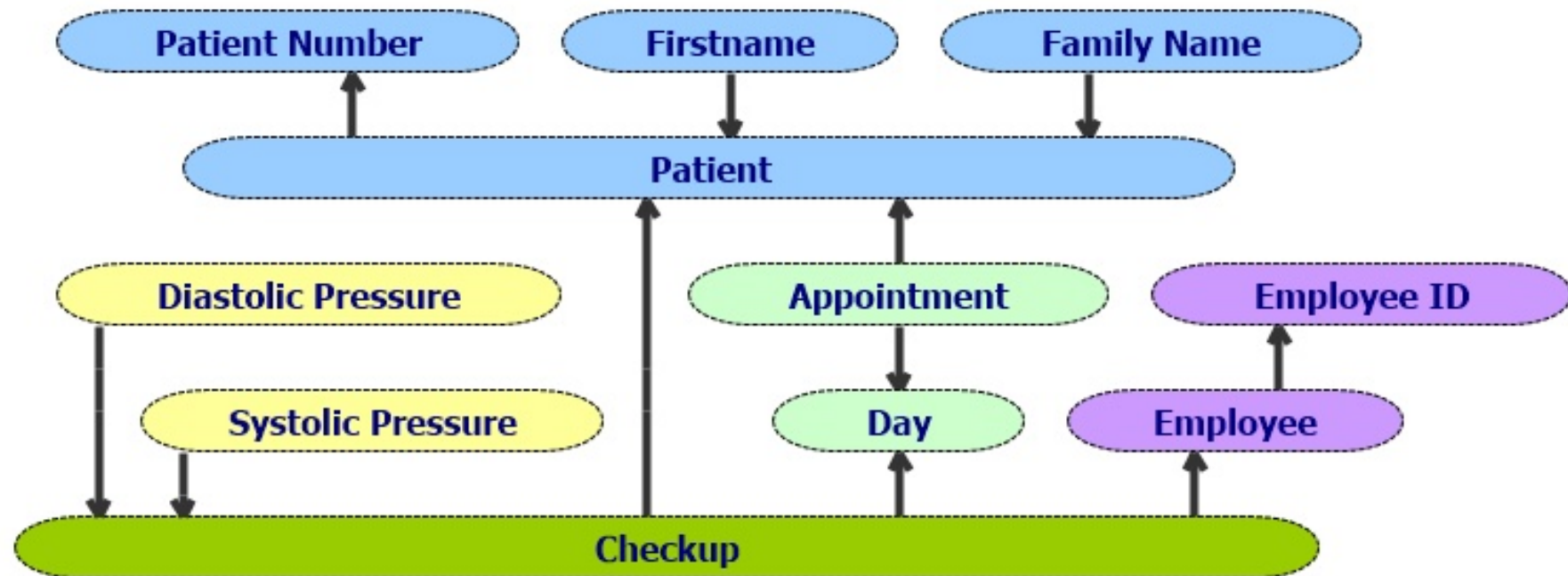
Date	Systolic	Diastolic
2010/10/13	170	110
2011/10/12	160	105
2012/10/24	160	95

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

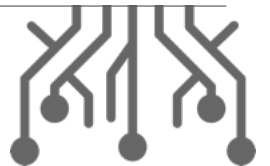
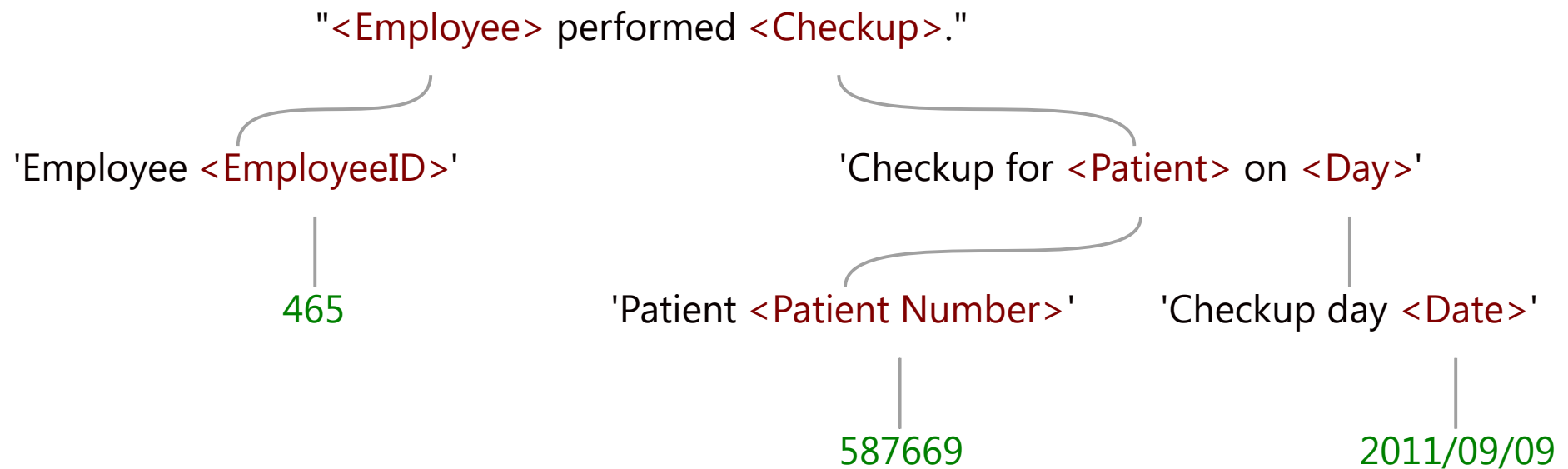
Date	Systolic	Diastolic
2011/09/09	150	100
2012/09/24	150	95



CONCEPTS



VERBALIZATION



BODY OF TEXT

Blood Pressure Category

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

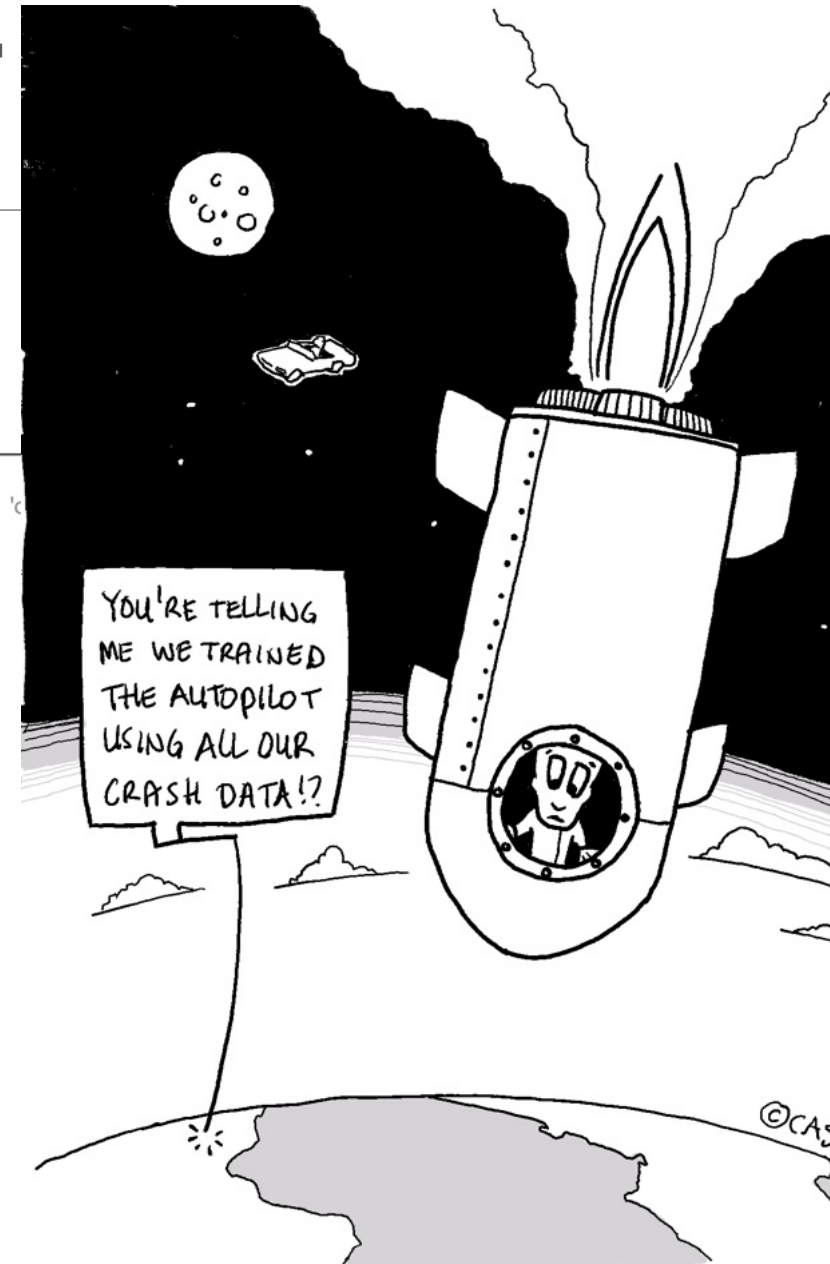
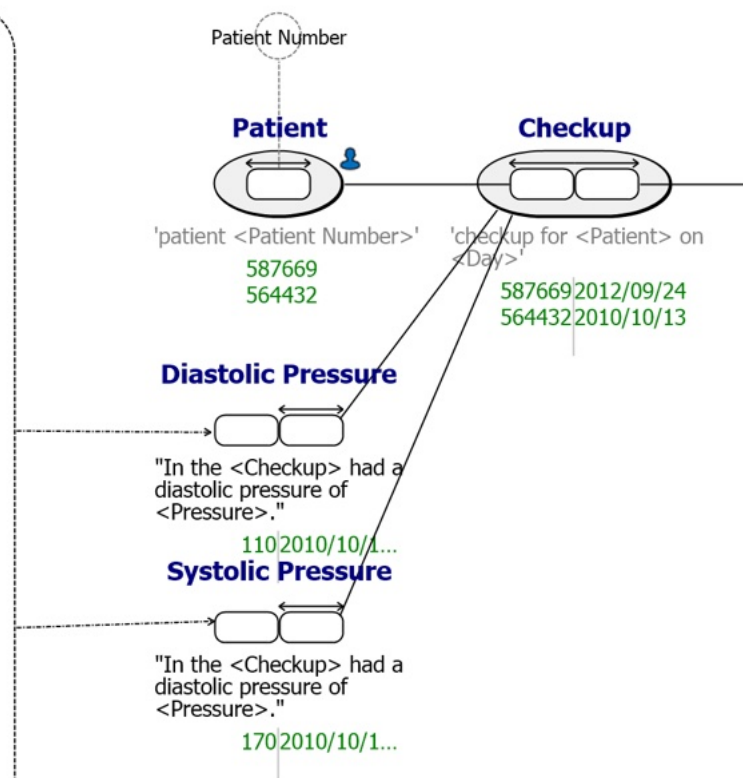
Normal

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.

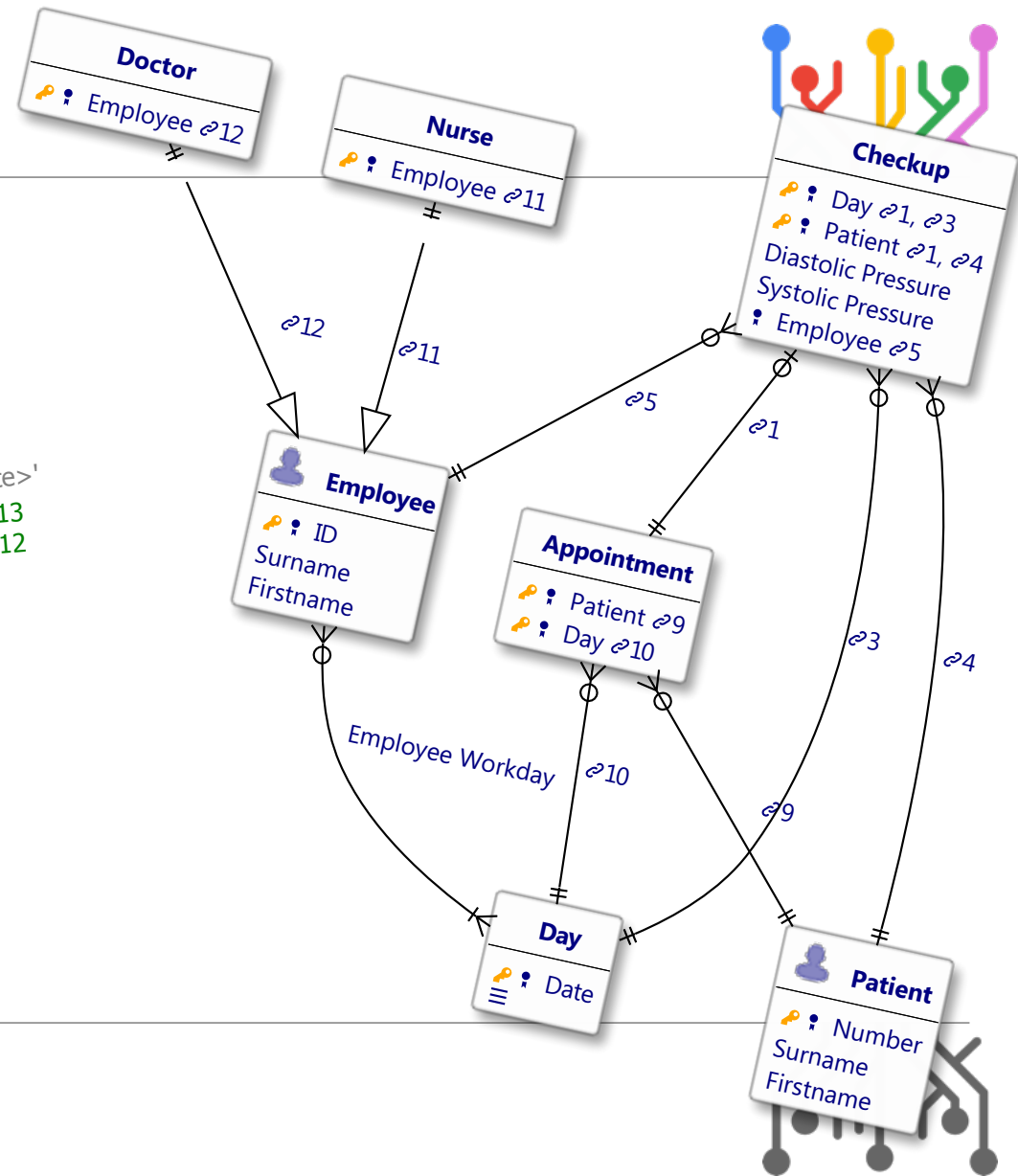
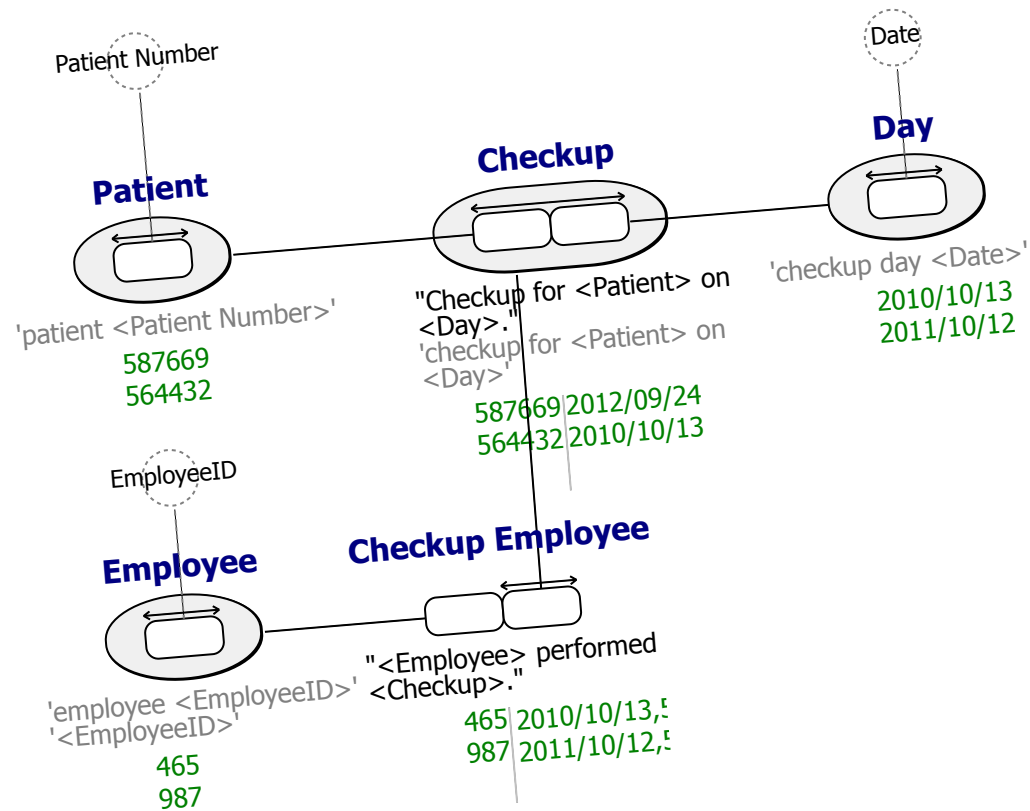
Elevated

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

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

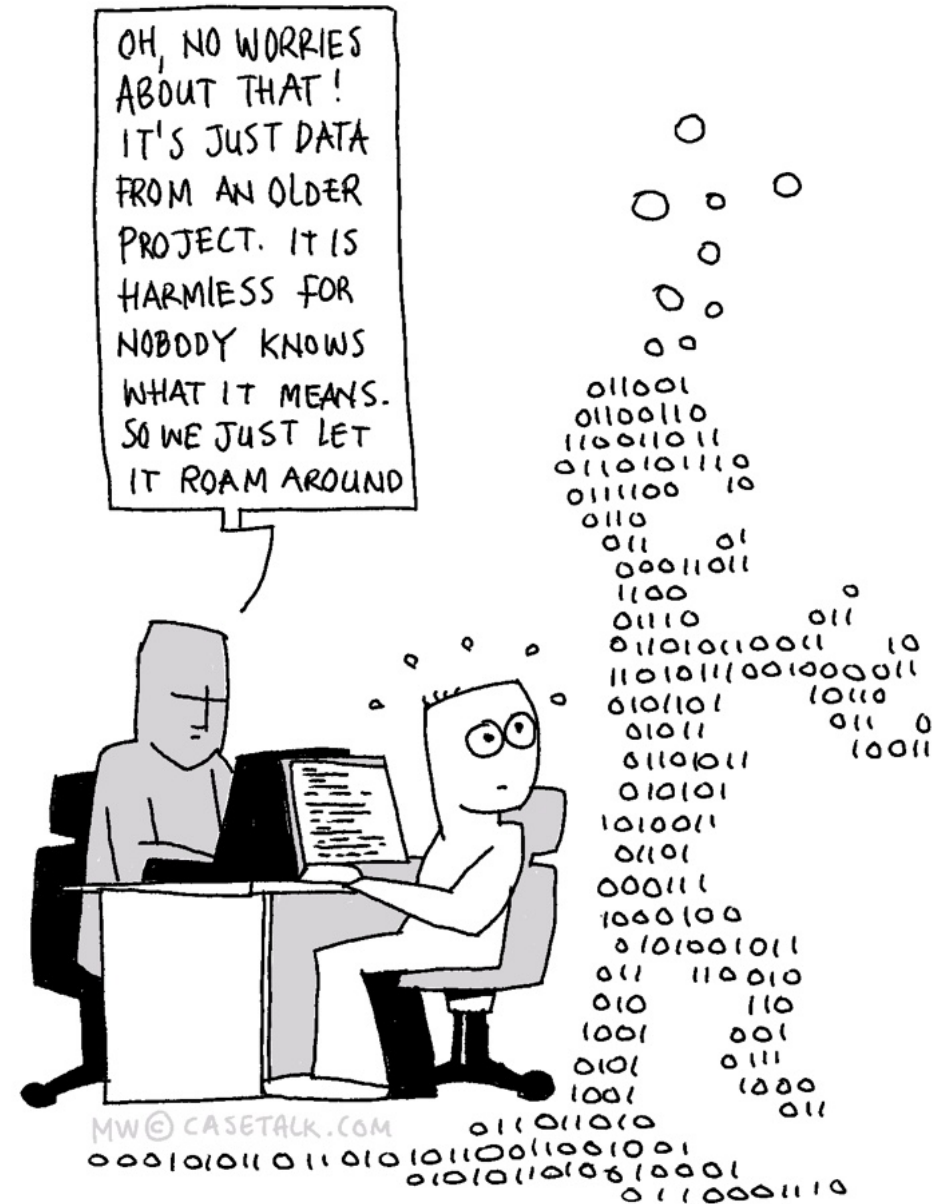
 - Multi Lingual
-

TO CHOOSE THE RIGHT TOOL ...



ANNOTATE

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

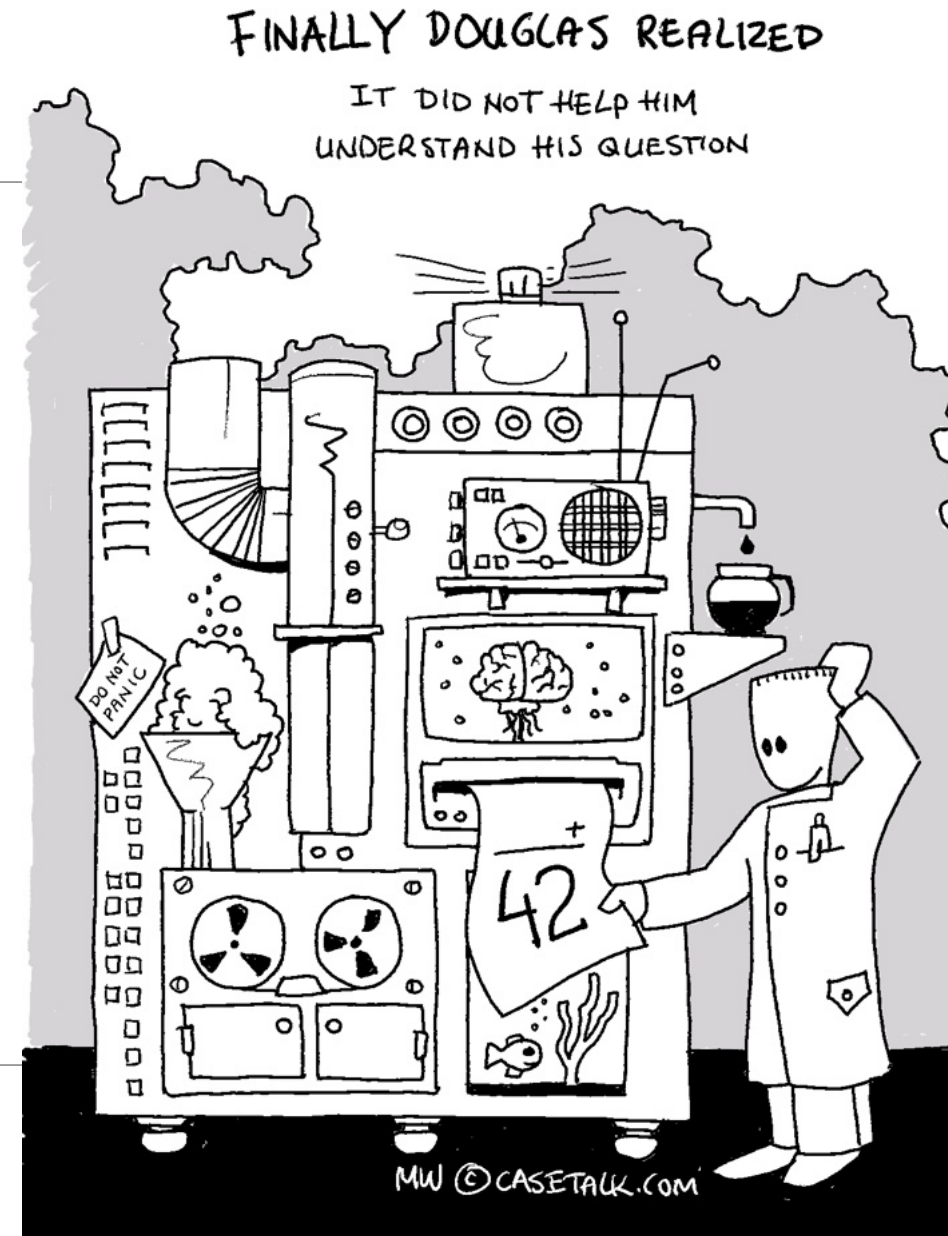


ENTERPRISE

- Multi Model
 - Multi Version
 - Multi Lingual
 - Multi User

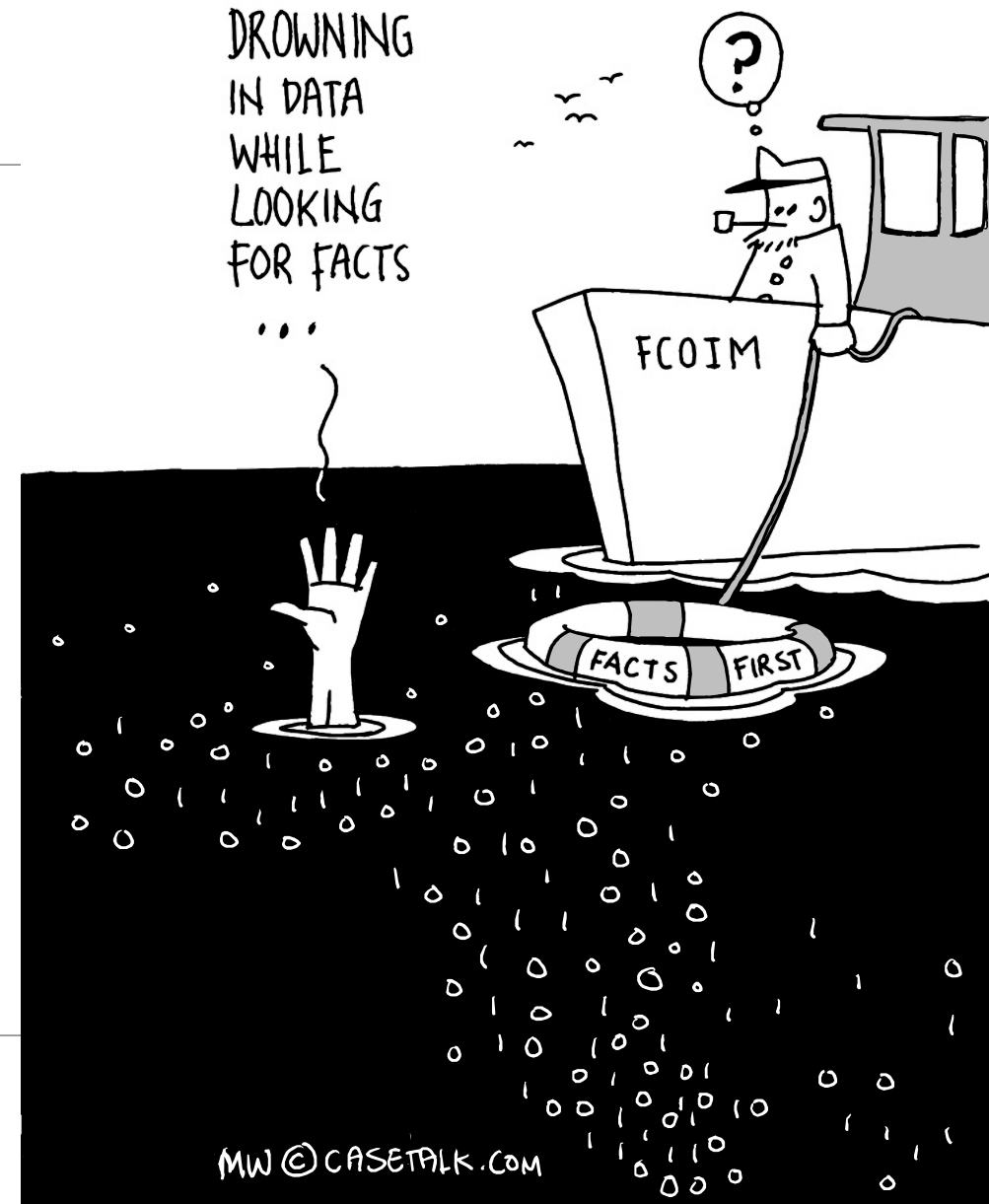
 - Suite: Modeler, Manager, Portal

 - 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
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- Free Diagram Generating
- 3rd Party Tool Scripting
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- Open to prevent lock-in
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