Cognizant

As The World Turns

Adonis Celestine

REACTIVE TO PROACTIVE

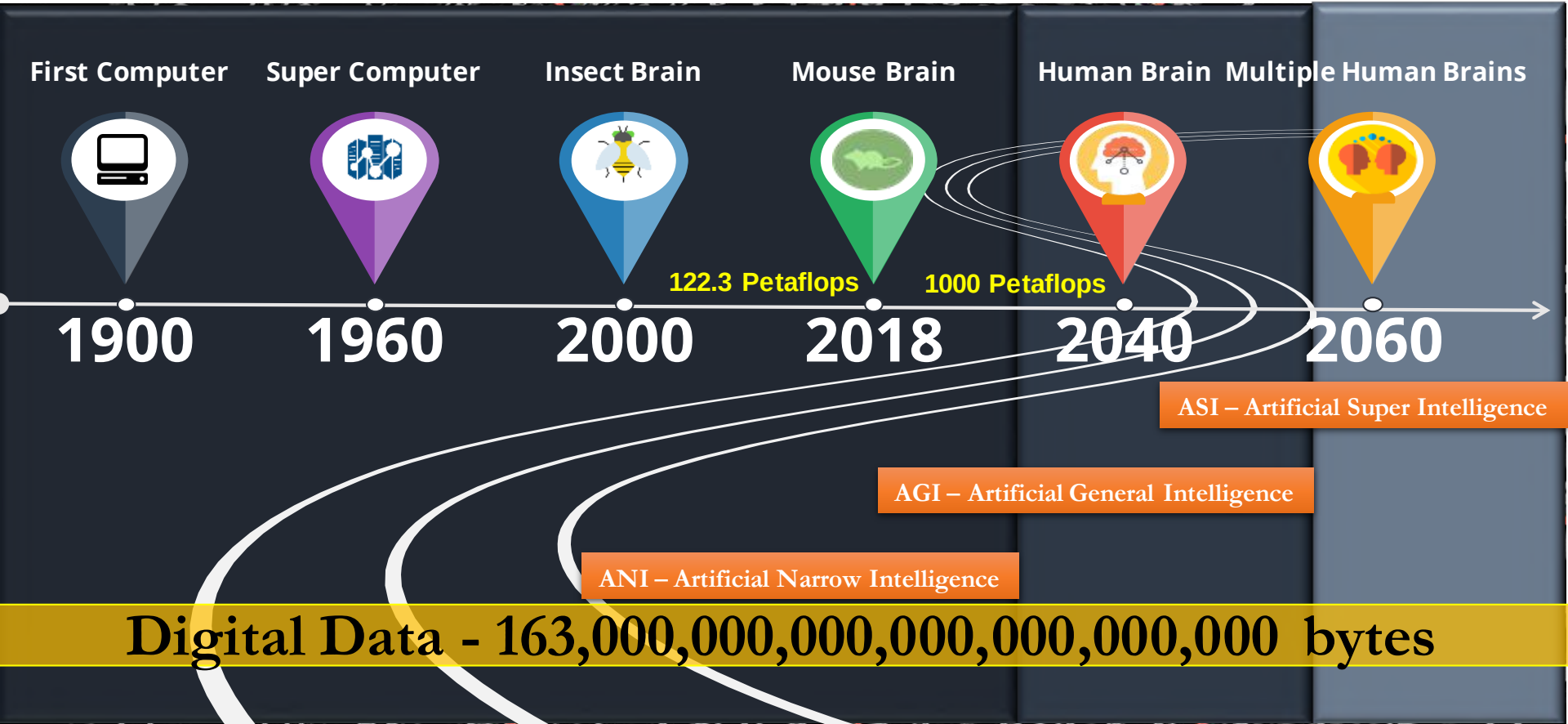
PROACTIVE TO PREDICTIVE

PREDICTIVE QUALITY ASSURANCE

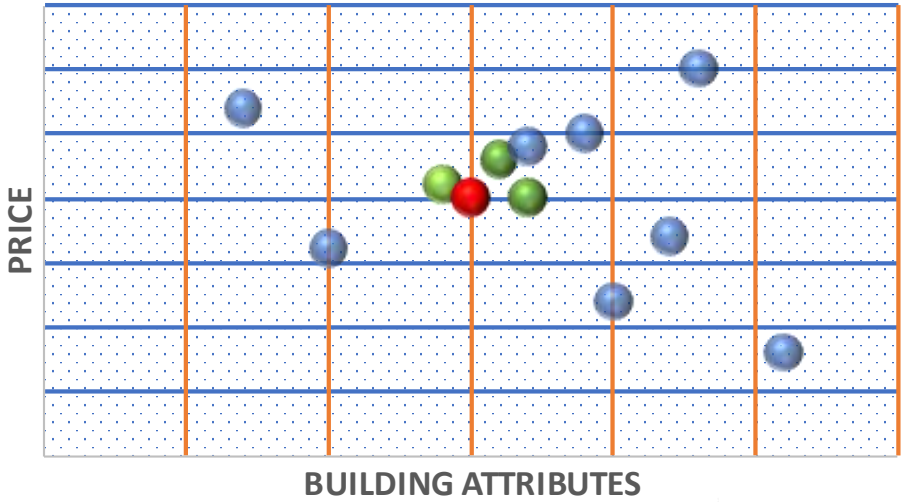
An ML Driven Approach

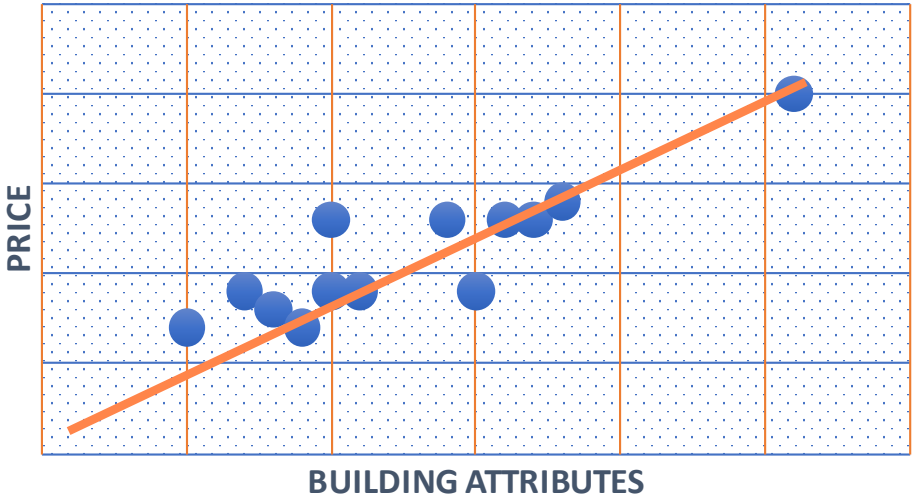
Cognizant

THE RISE OF MACHINE INTELLIGENCE

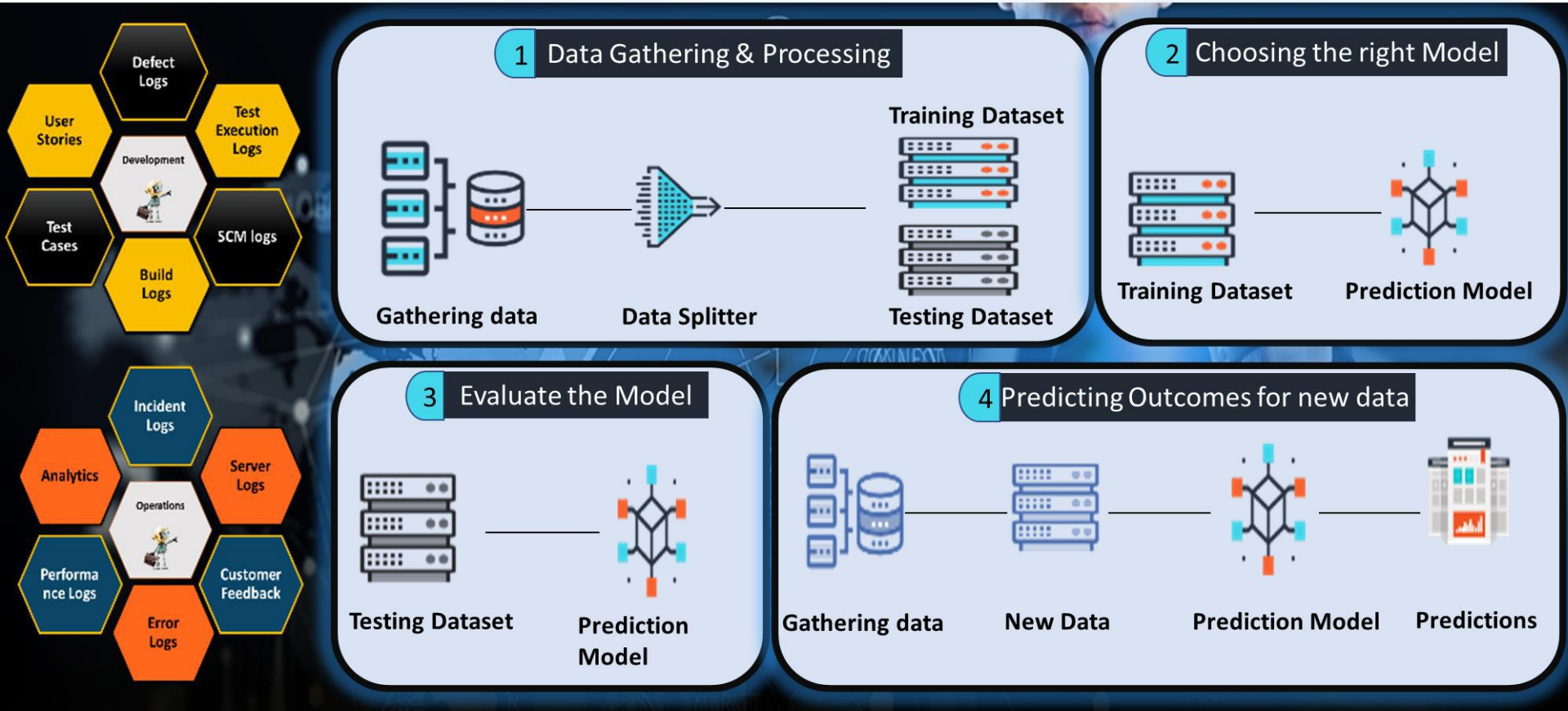


INTELLIGENCE FROM DATA

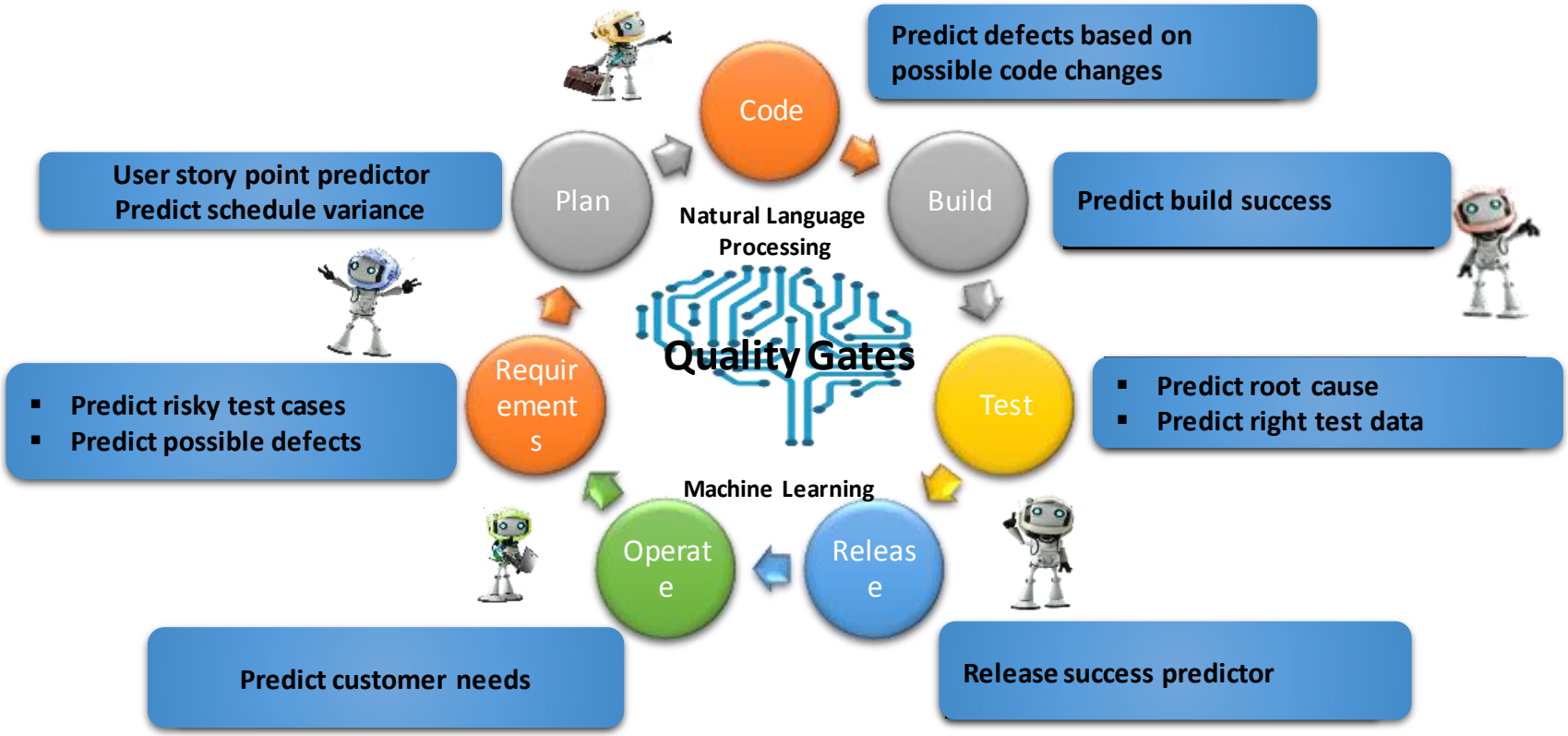




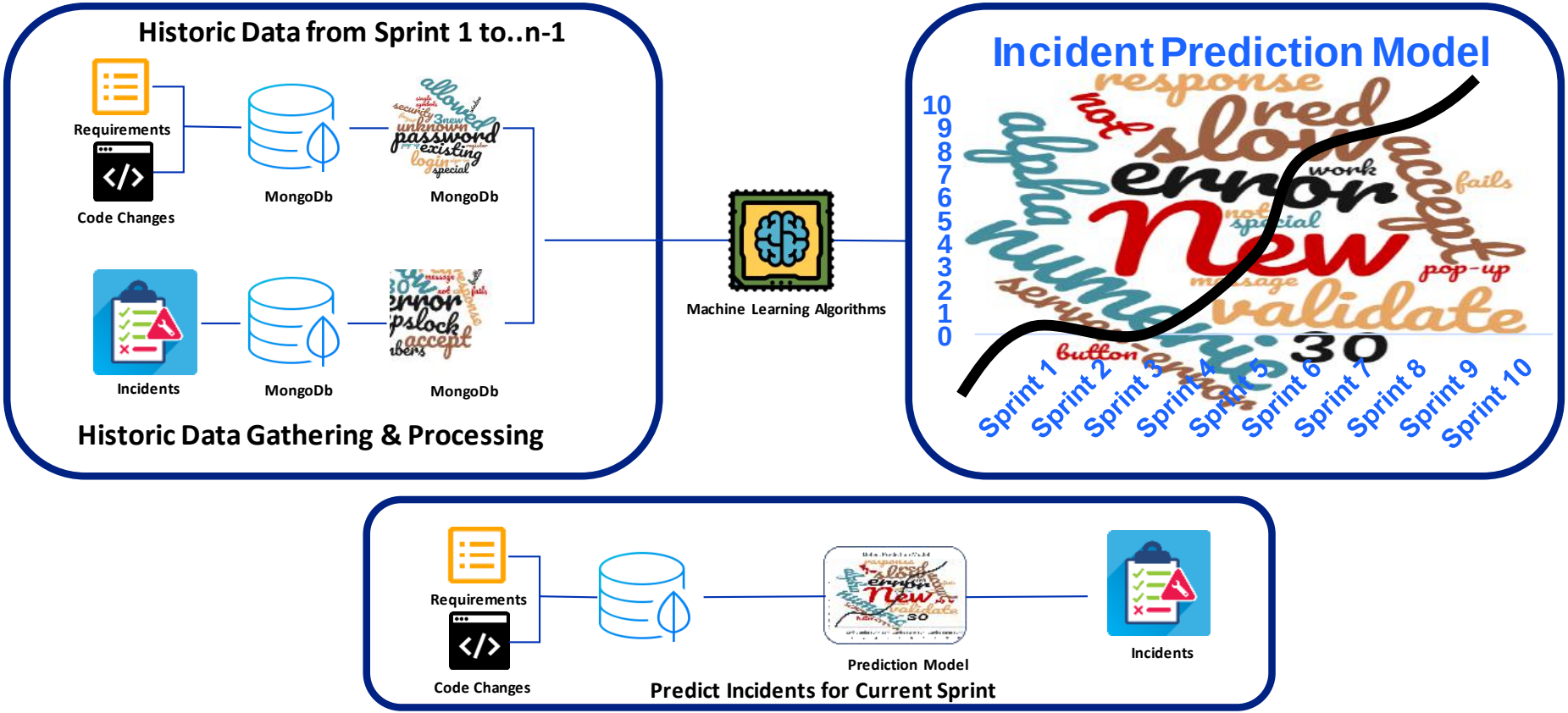
DATA → PATTERNS → PREDICTIONS



QA PREDICTIONS



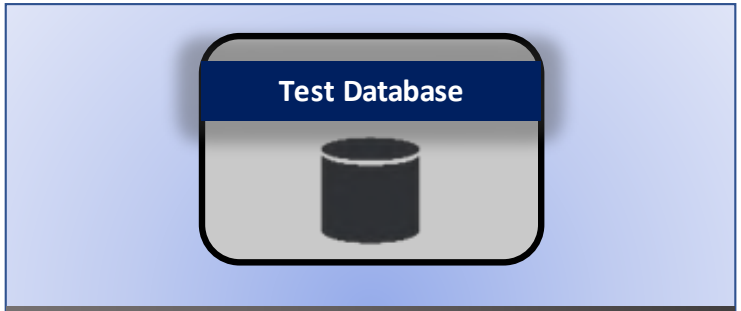
EXAMPLE 1: INCIDENT PREDICTION



EXAMPLE 2: TEST DATA PREDICTION

Production Data Combinations

Id	Mode of Payment	Room Type	Discount
0094625	Netbanking	Triple	Corporate
0094629	Creditcard	Double	Early Payment
0096638	Cash	Double	Corporate
0084829	Creditcard	Single	Corporate



Test Data Combinations

Id	Mode of Payment	Room Type	Discount
0094636	Netbanking	Double	Corporate
0094640	Debit	Single	Corporate
00976489	Cash	Double	Corporate
0084829	Creditcard	Single	Corporate

Missing Data Combinations

Id	Mode of Payment	Room Type	Discount
0094625	Netbanking	Triple	Corporate
0094629	Creditcard	Double	Early Payment

EXAMPLE 3: REQUIREMENT PREDICTION

By Jordan Rivera (Seattle) - See all my reviews

REAL NAME

This review is from: **Samsung UN85S9 85-Inch 4K Ultra HD 120Hz 3D Smart LED UHDTV (Black) (Electronics)**

I was going to fund my daughters wedding in Hawaii, but I figured this Samsung TV would last much longer.

Published 4 days ago

Terrible Service

I added all my shopping to the basket only to find that the earliest delivery slot was 5 days away. It wouldn't even let me export my basket to another supermarket so I have to do it all over again. Also the website is obviously not designed for mobile devices and the app keeps crashing. I'm going to stick with Sainsburys in future.

06/17/2014

Absolutely the best selection in the area! I always recommend this place to my friends.

Jocelyn Y.

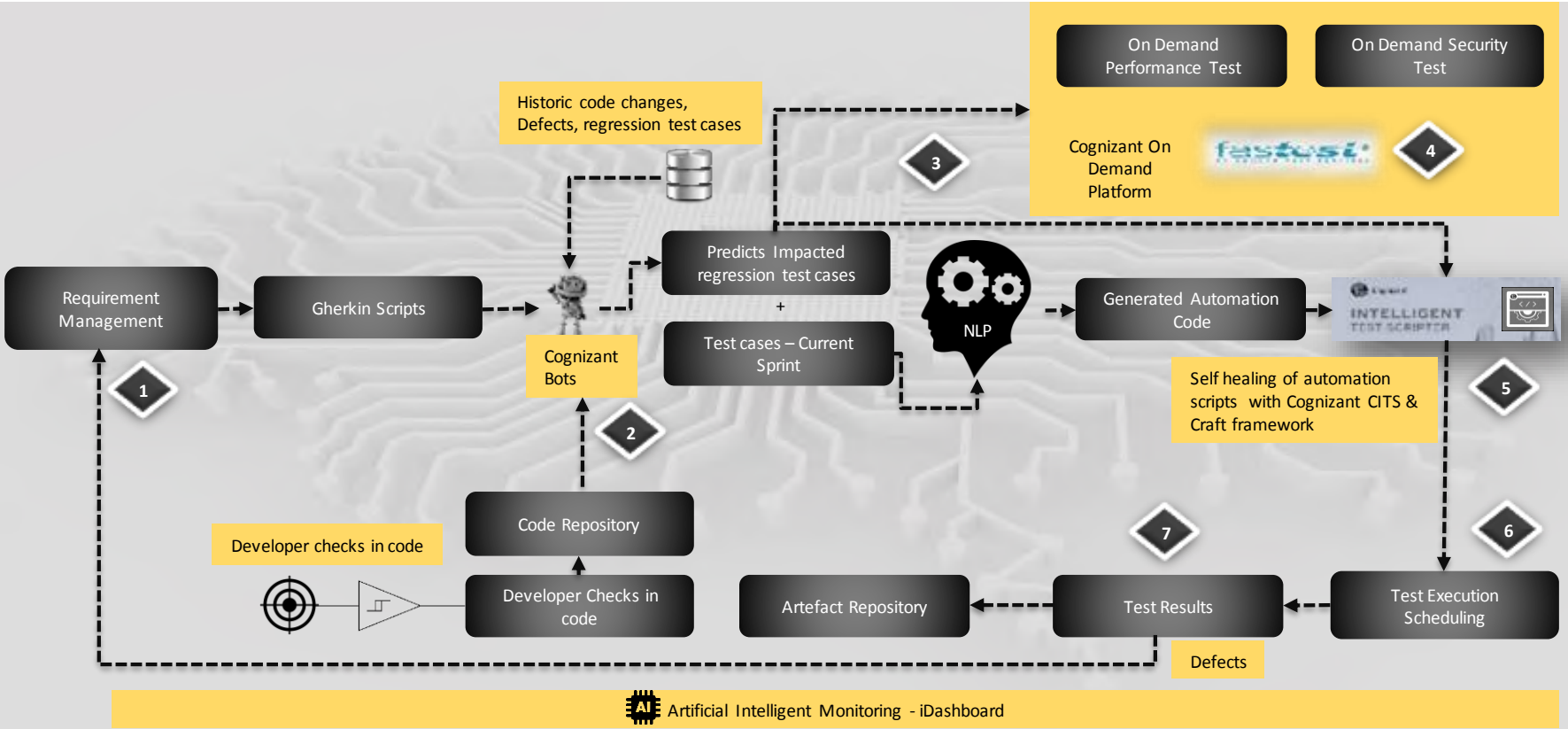
- Sentiment
- User Experience
- Functionality
- Performance

Customer's Perception is Reality

QA PREDICTIONS DASHBOARD

PREDICTIVE TO COGNITIVE

COGNITIVE QUALITY ASSURANCE



Are predictions predictable?

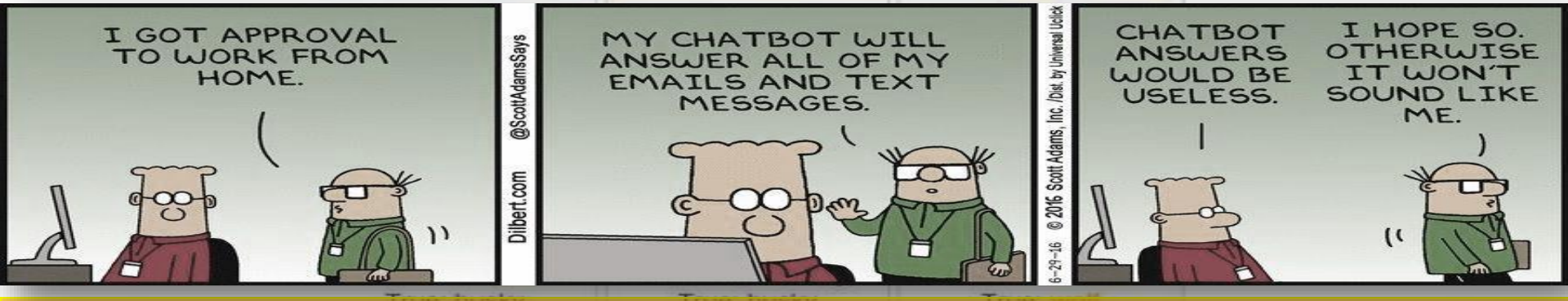
QA of Machine Intelligence

Cognizant

PREDICTABILITY OF PREDICTIONS

Non Deterministic Nature | Platforms & Environment | Linguistic Variations

What will you test?



Smart Devices & Dumb Experiences

TEST THE UN-TESTABLES

Turing Test

Visualization

Crowd Testing

Bot Vs Bot

Metrics

API Testing

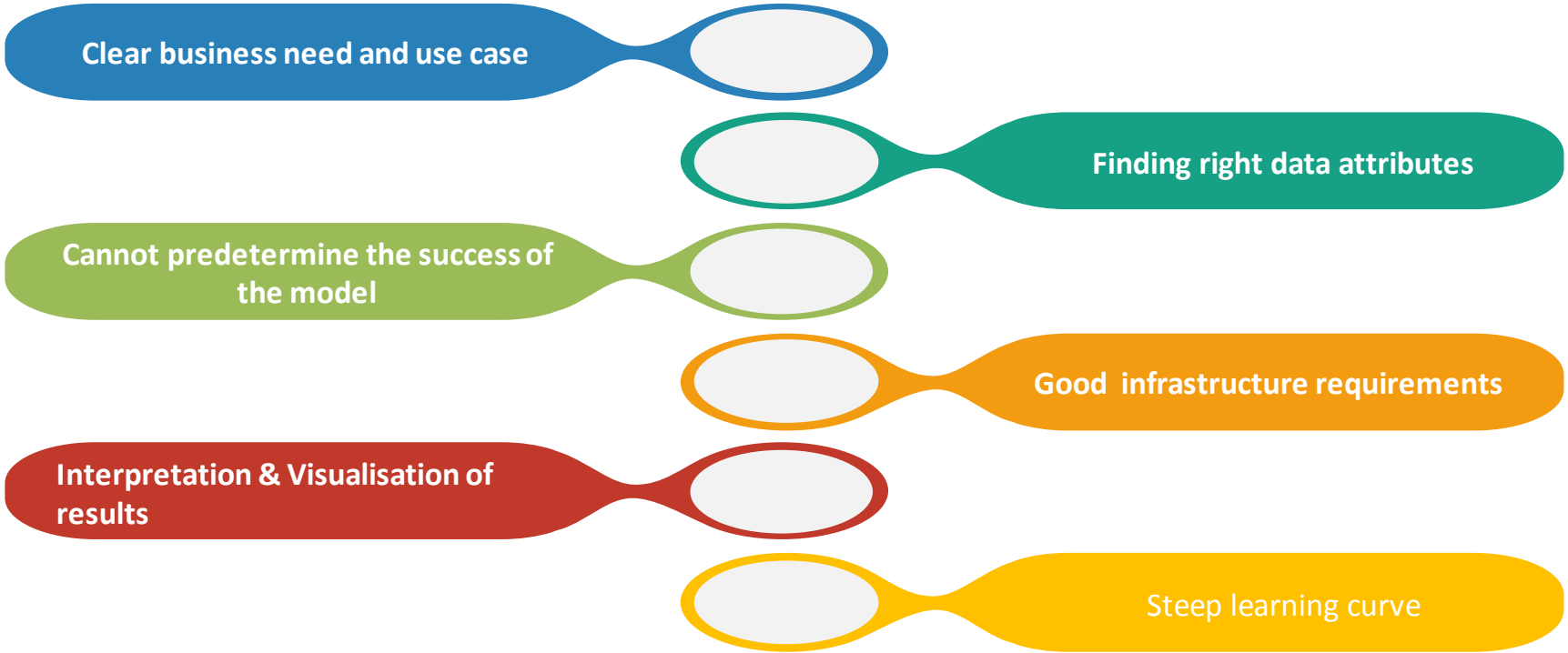
TESTING THE COGNITIVE ASSISTANTS

- Skills Testing
- Accent Testing
- Crowd Testing
- Regression

DEMO


Settings
Home
Now Playing
Music & Books
Lists
Reminders & Alarms
Contacts
Skills
Smart Home
Things to Try
Settings
Help & Feedback
MacBook Pro

LIMITATIONS & LEARNINGS



THE BEGINNING OF THE END

“Natural Stupidity Is More Dangerous Than Artificial Intelligence”

Thank You