

A photograph of three people (two men and one woman) smiling and holding a large, clear, multi-faceted trophy. They are standing in front of a large audience seated in a dark arena. In the background, a large screen displays the text '2013 Microsoft Worldwide Partner Conference Houston - July 7-11'. The woman on the left is wearing a white blazer over a dark top. The man in the center is wearing a dark suit jacket over a light blue shirt. The man on the right is wearing a dark suit jacket over a white shirt.

2013  
Microsoft  
Worldwide  
Partner  
Conference  
Houston – July 7-11

**bism@rt**

Power your business

Microsoft Partner of the Year  
**2016 Finalist**

Data Analytics Award

Microsoft Partner of the Year  
**2015 Finalist**

Business Intelligence

2015 July 12 - 16, Orlando, Florida

Microsoft Partner of the Year  
**2013 Winner**

Business Intelligence

**Albert Isern**  
@isernalbert

# Microsoft CityNext Government Administration

Microsoft bism@rt  
Power your business

## City Predictive Dashboards – BISMART





# Bismart predictive solutions

- ✓ Predict public service demands
- ✓ Prescribe the best location for public centers & facilities



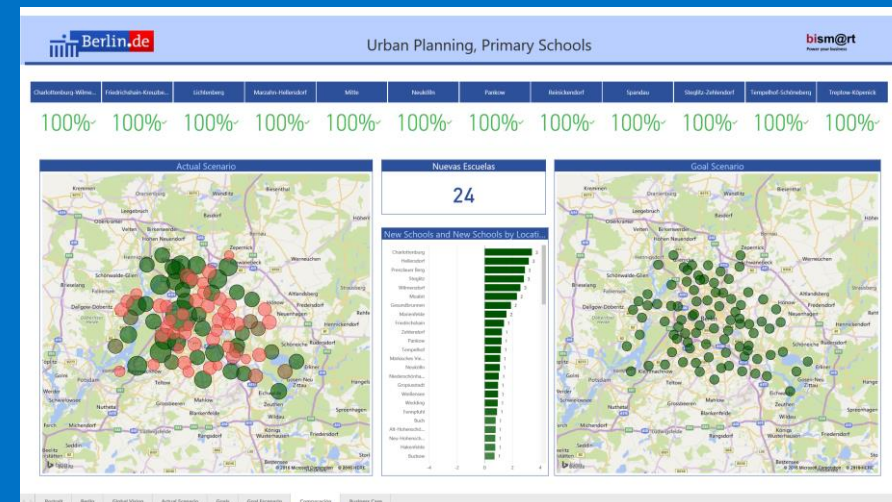
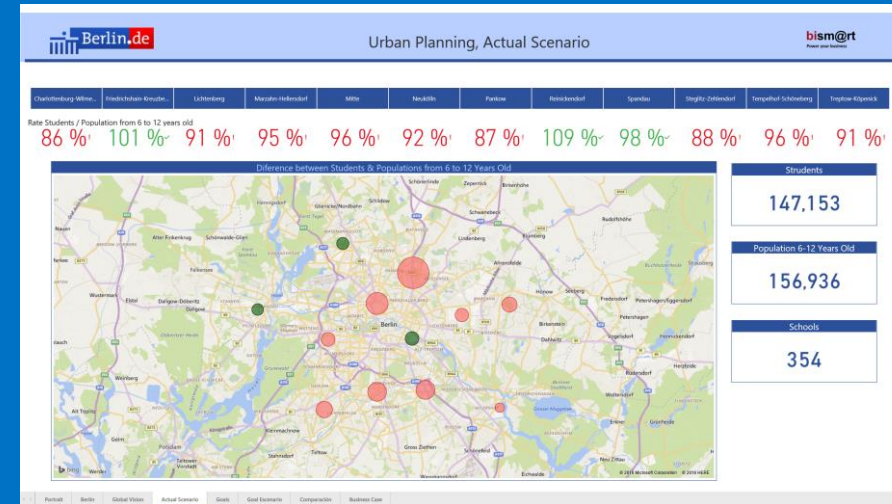
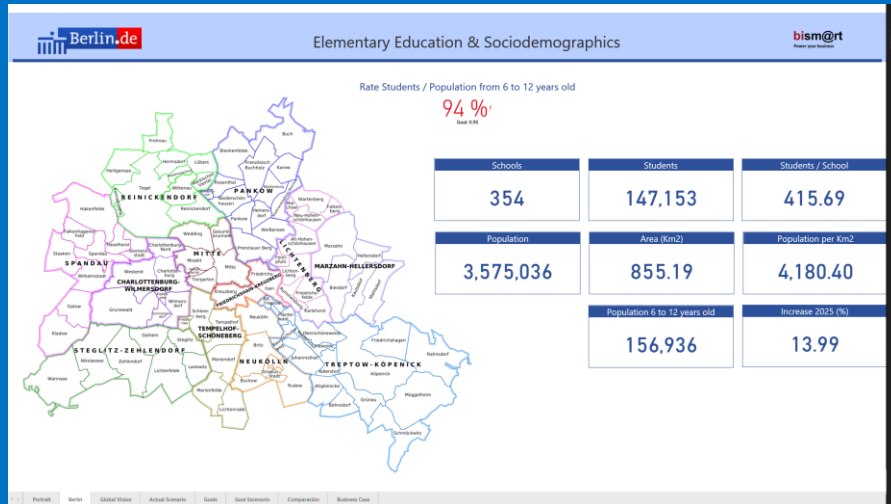


# Big Data solution for Urban Planning

Bismart provides a coverage model for public centers and facilities, aligned with public services demands, the current offer, population trends, economic activity, mobility, etc.

# Predictive Analytics

## Big Data solution for Urban Planning and Forecasting





# Traffic Fatalities Prevention

Big Data solution for decreasing traffic fatalities

1.24 million  
road traffic deaths occur every year (\*)

#1

cause of death among those aged 15-29 years (\*)

(\*) World Health Organization

# Traffic Fatalities Prevention

Big Data solution for decreasing traffic fatalities

European Union demands to reduce traffic fatalities up to 50%, by 2020 compared to 2010.

The deployment of

- ✓ Police checkpoints
- ✓ Speed cameras
- ✓ and other measures

is not good enough, we need intelligent solutions



# Traffic Fatalities Prevention

## Big Data solution for decreasing traffic fatalities

Bismart Big Data solution predicts:

- ✓ The traffic accidents amount
- ✓ In each geographic point
- ✓ For the next period of time

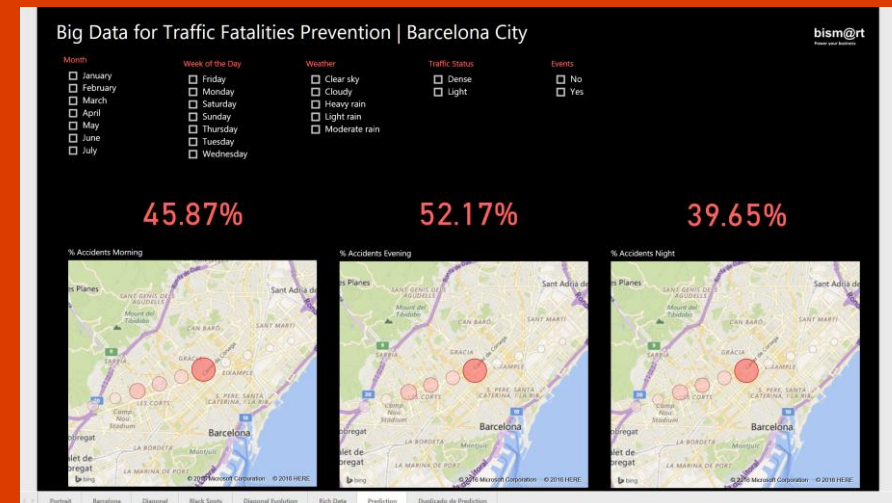
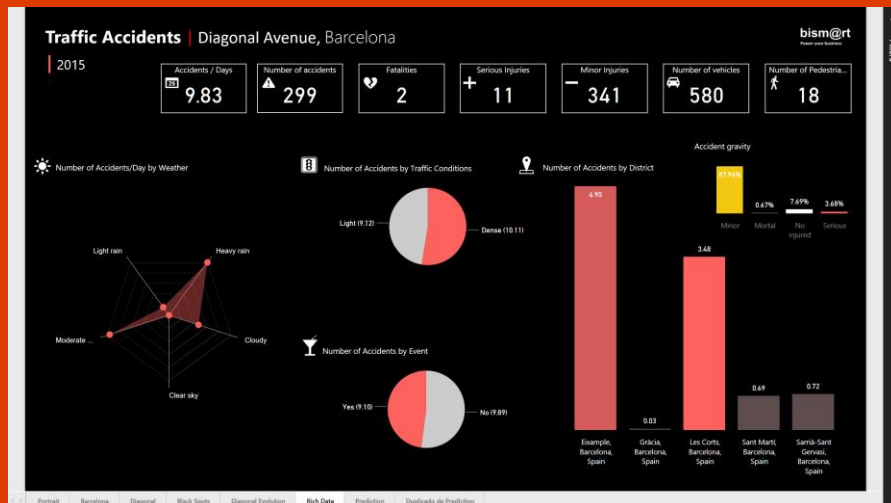
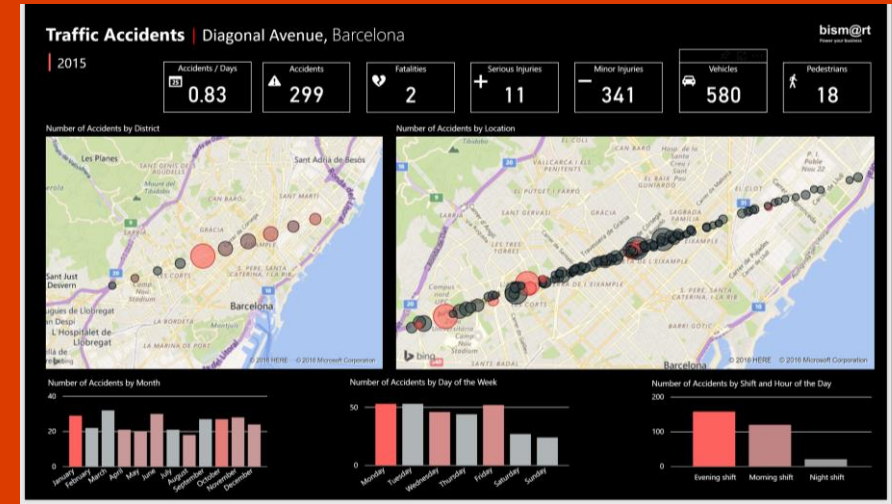
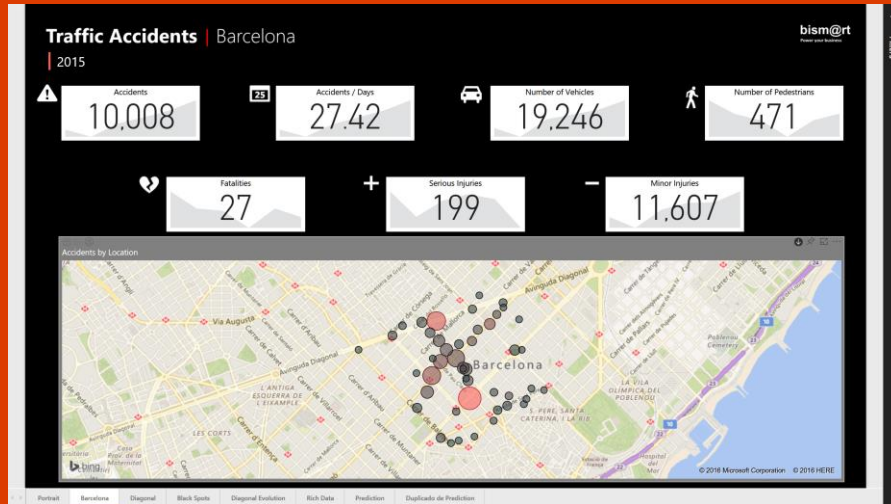
Governments can better plan where to deploy their resources.

The solution prescribes actions to minimize the number and impact of such accidents.



# Traffic Fatalities Prevention

## Big Data solution for decreasing traffic fatalities



# Crime Prediction

## When and Where?

Where do people gather after sporting events?

What happens when the weather turns warm?

How do patterns change when school is out?





# Crime Prediction

## When and Where?

Bismart Bigdata allows the data silos to be analyzed, pinpointing not only where crime is likely to occur, but when and under what circumstances





# Crime Prediction

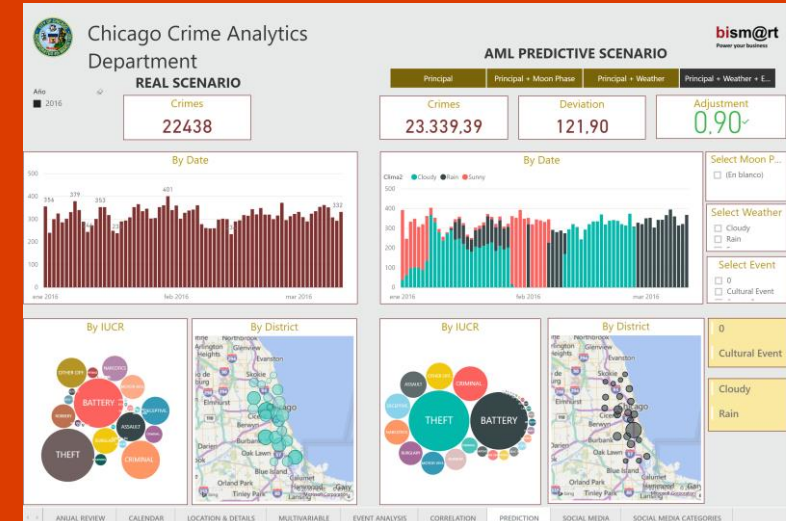
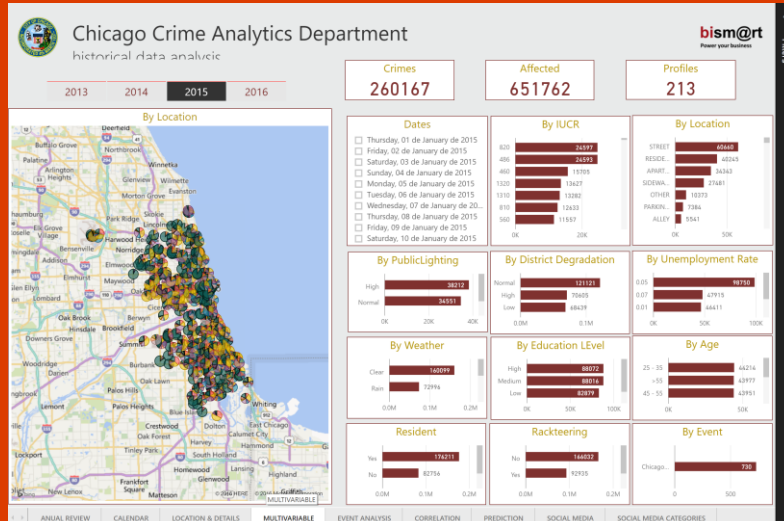
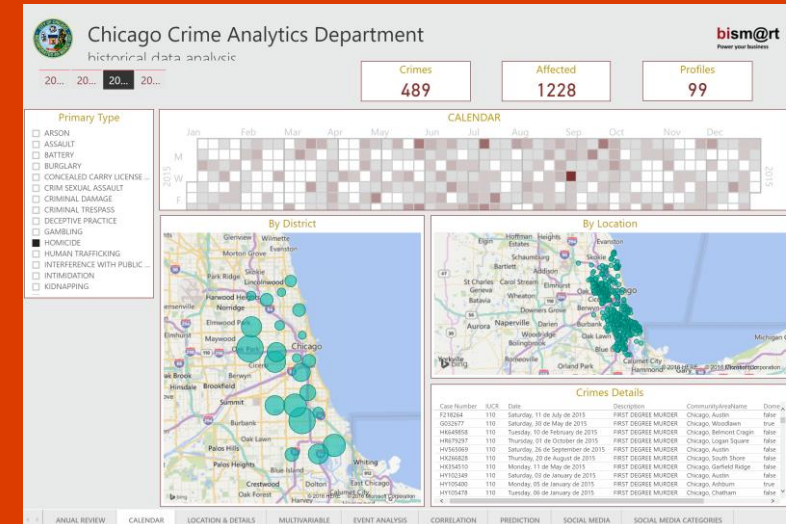
## When and Where?

Bismart mathematic models help law enforcement agencies better plan when and where to deploy their resources





# Crime Prediction When and Where?



# Intelligent City Bot

## Artificial Intelligence City Assistant

How many times have you felt lost in a city?  
As a tourist and even worst ... as a resident?

- Wasting time queuing at City Information Offices
- Having to do endless administrative procedures
- With no one who call for



# Intelligent City Bot

## Artificial Intelligence City Assistant

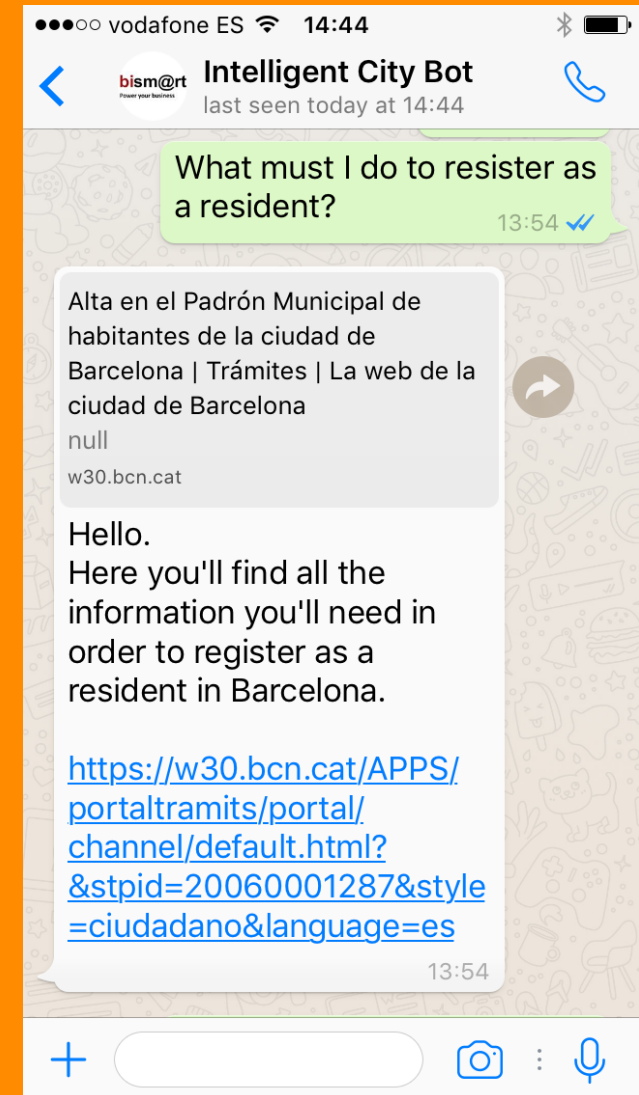
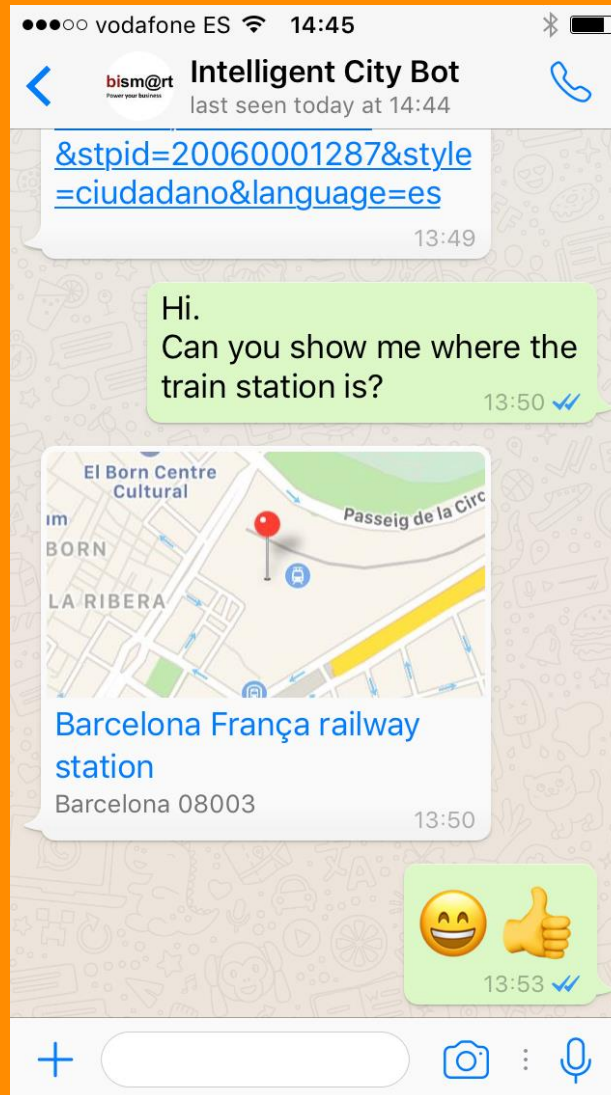
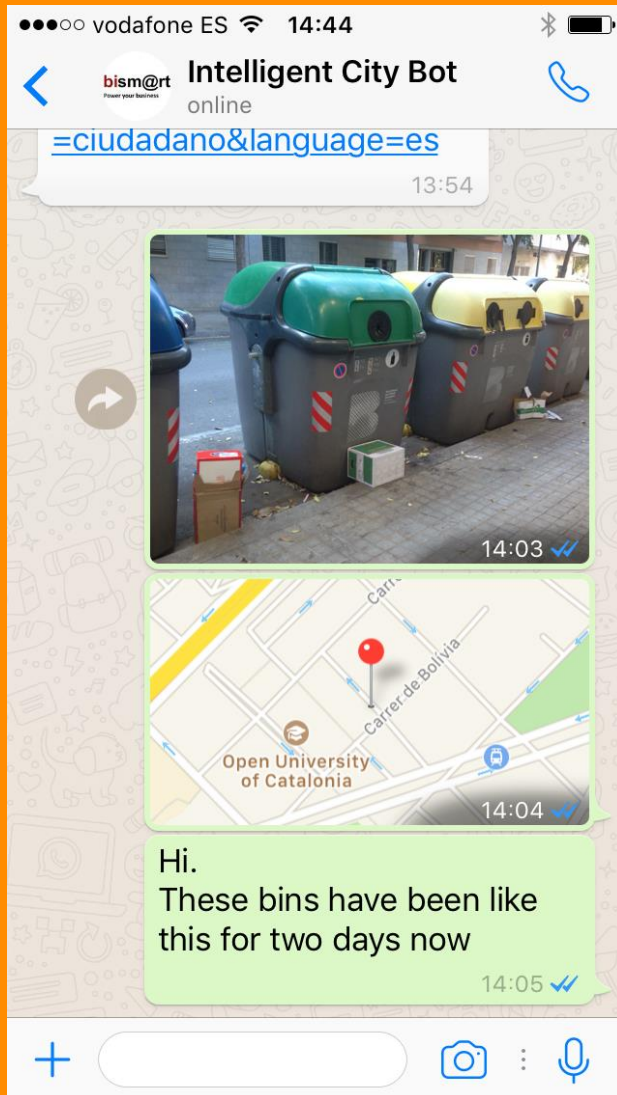
City assistant that guides you with locations and time tables of city services.

It's a digital interface such as a call center, social media or the municipality website



# Intelligent City Bot

The city assistant helps you with all the endless administrative tasks





# Microsoft CityNext Culture & Tourism

eTourism: Digital World for Tourism – BISMART



Microsoft

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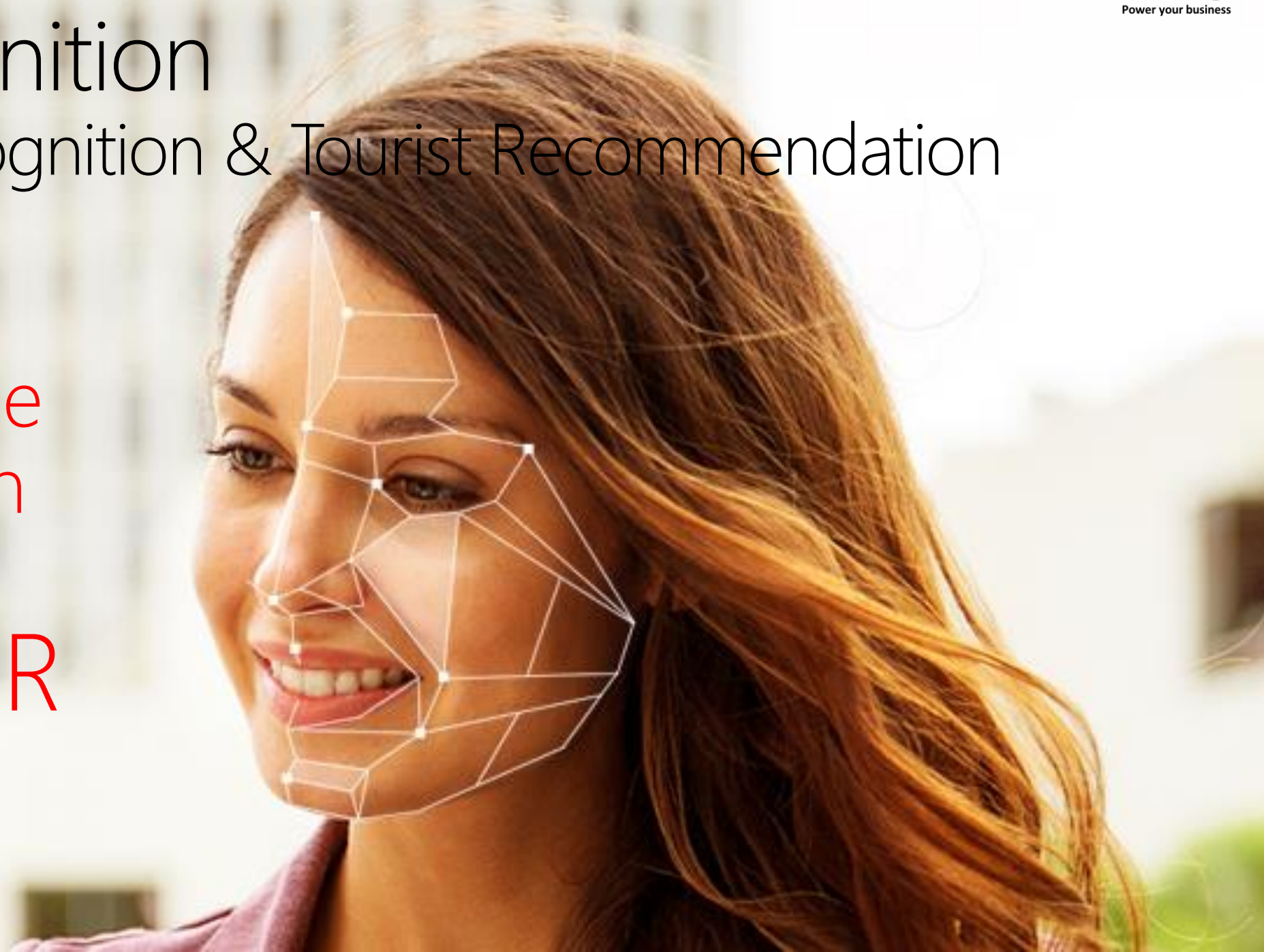
Power your business



# Face Recognition

## Happiness Recognition & Tourist Recommendation

Upload a selfie  
to twitter with  
the hashtag  
**#BismartER**





bism@rt

JOAN WILLIAMS  
MISSION PROFILE

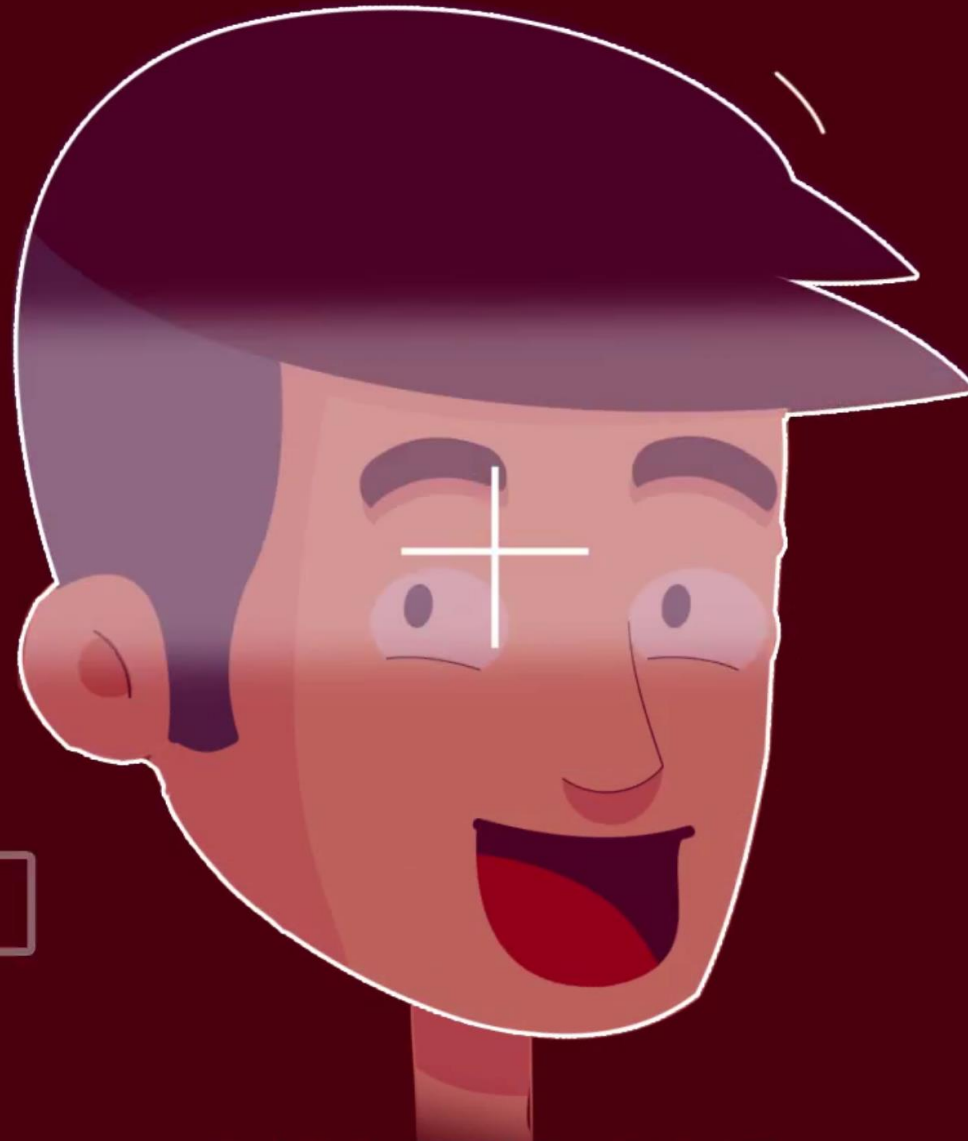
34 YEARS OLD / MALE  
\*\*\*\*\*

ANGER 00%

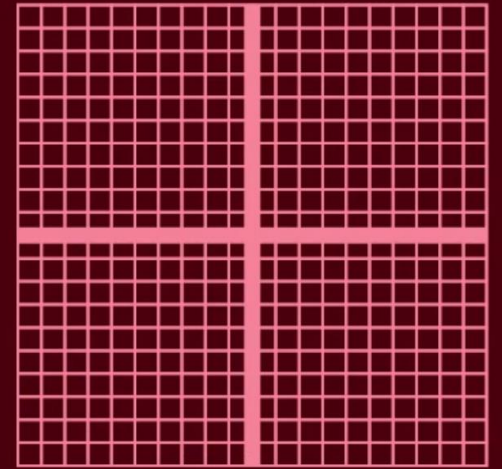
COMTEMPT 0.00%  
DISGUST 0.00%  
FEAR 0.00%

HAPPINES 98.95%

NEUTRAL 0.25%  
SADNESS 0.00%  
SURPRISE 80%



SCANNING FACE



CODE

ADOR

ACOR

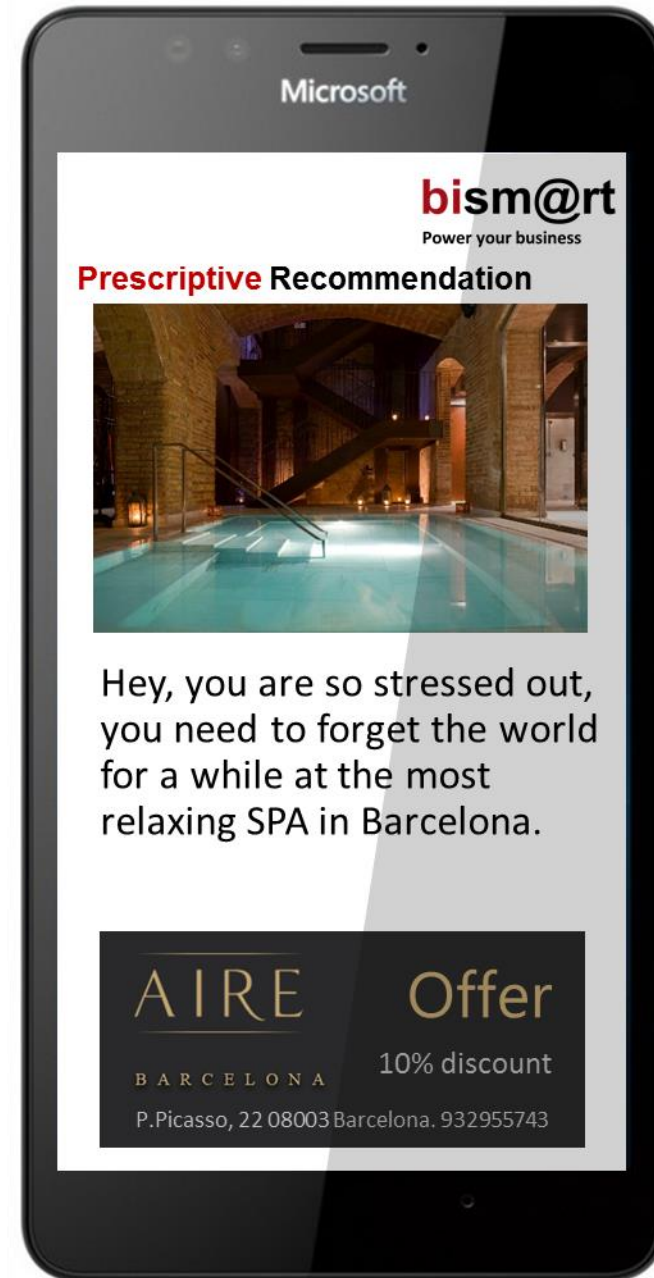
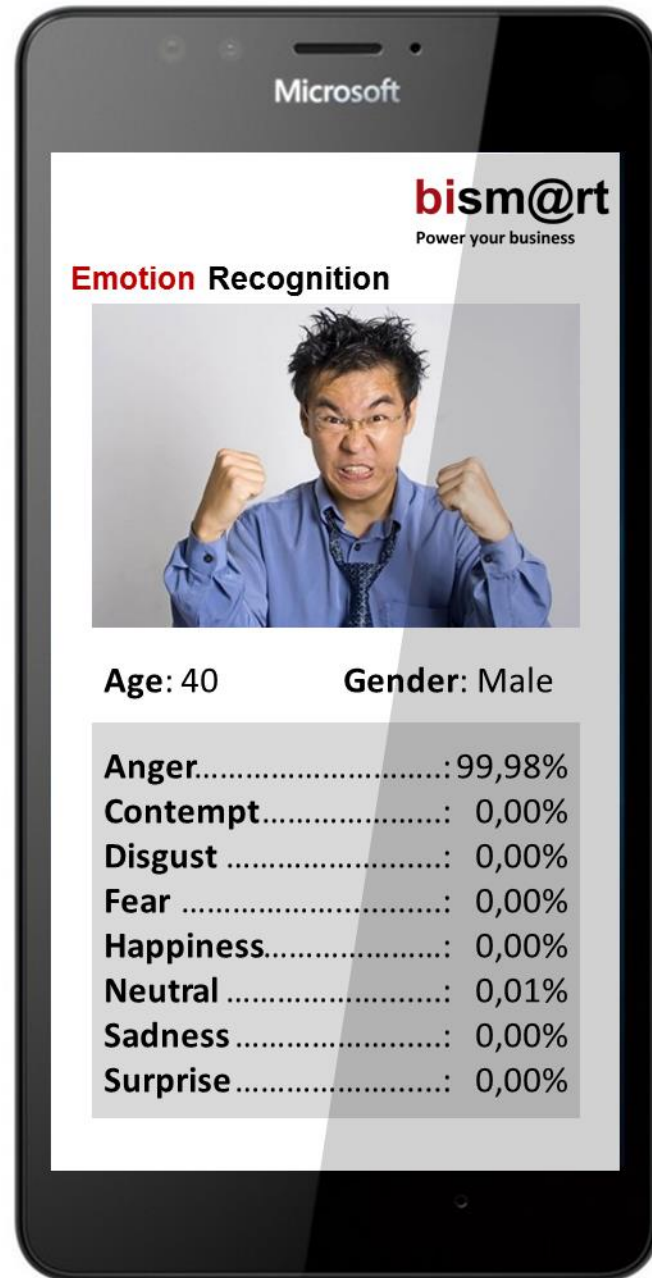
```
tp = doc.GetParticleSystem()
nup = tp.NumParticles()

spl = op.GetDown()
pob = op.GetDownLast()
allspt = spl.GetPointCount()
allpob = pob.GetPointCount()
sel = pob.GetPointS()
cselp = sel.GetCount()
lcselp = sel.GetAll(pob.GetPointCount())
usel = op[c4d.ID_USERDATA,1]
ch = op[c4d.ID_USERDATA,2]

f (op!=NULL)
{
    var parent=op->GetUp();
    if (!parent) return;
    doc->StartUndo();
    doc->AddUndo(UNDO_OBJECT,op);

    var pmatrix=parent->GetMg(); //get the global Matrix
    var parent_positon = pmatrix->GetV0(); // get the position
    var parent_rotation_x = pmatrix->GetV1(); // get the rotation
    var parent_rotation_y = pmatrix->GetV2();
    var parent_rotation_z = pmatrix->GetV3();

    var child_scale=op->GetScale(); // get the child
```



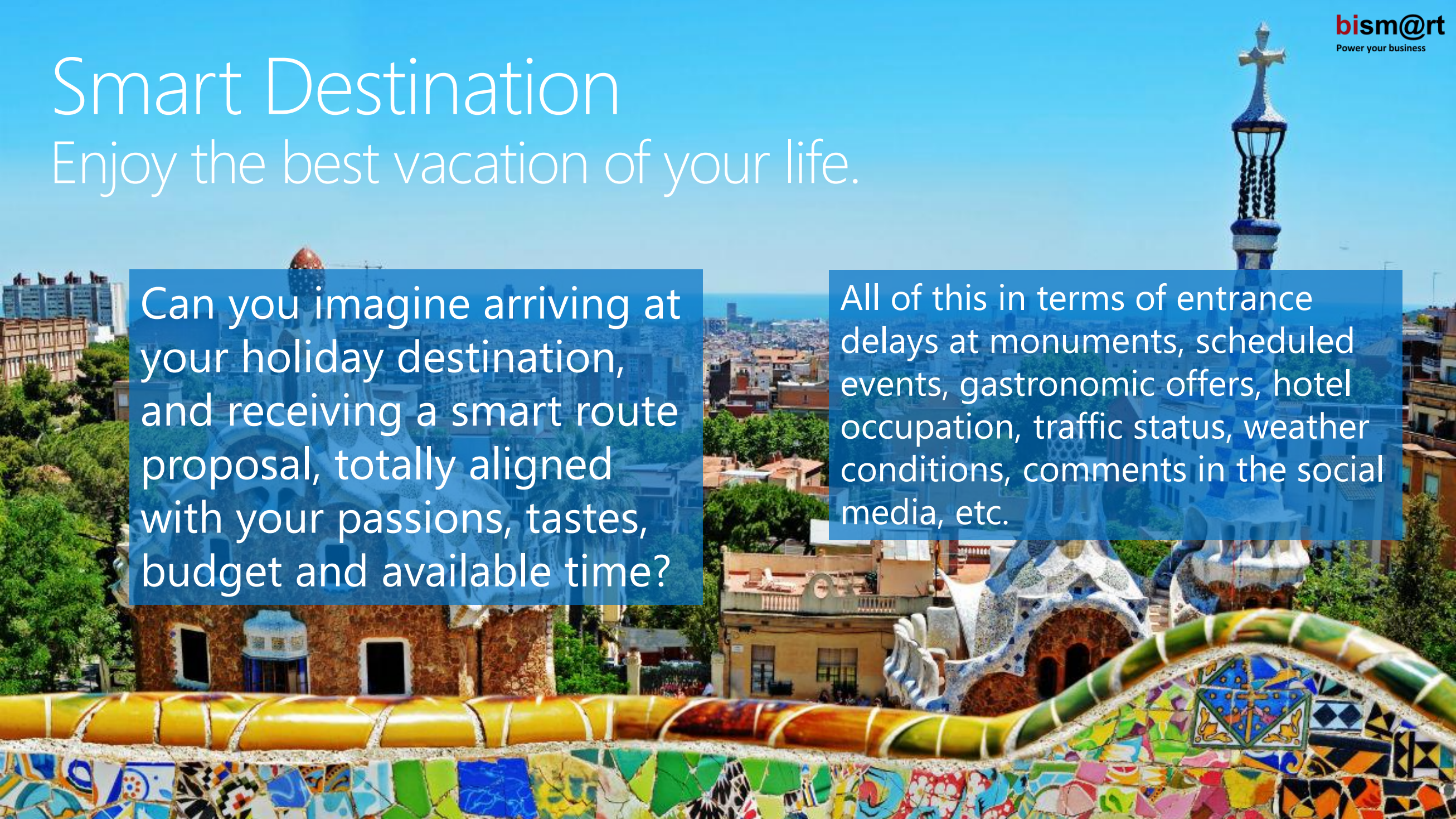


# Smart Destination

Enjoy the best vacation of your life.

Can you imagine arriving at your holiday destination, and receiving a smart route proposal, totally aligned with your passions, tastes, budget and available time?

All of this in terms of entrance delays at monuments, scheduled events, gastronomic offers, hotel occupation, traffic status, weather conditions, comments in the social media, etc.

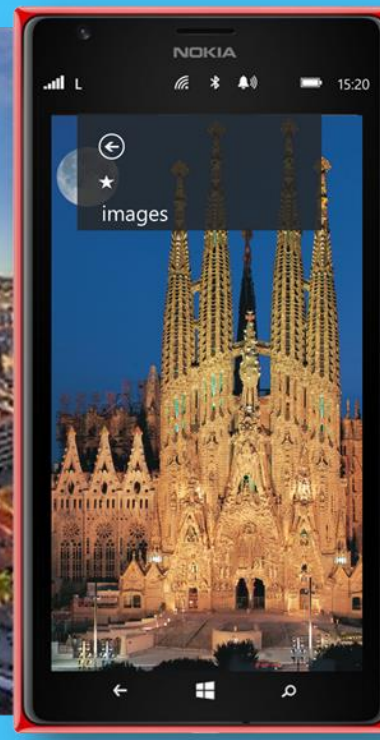
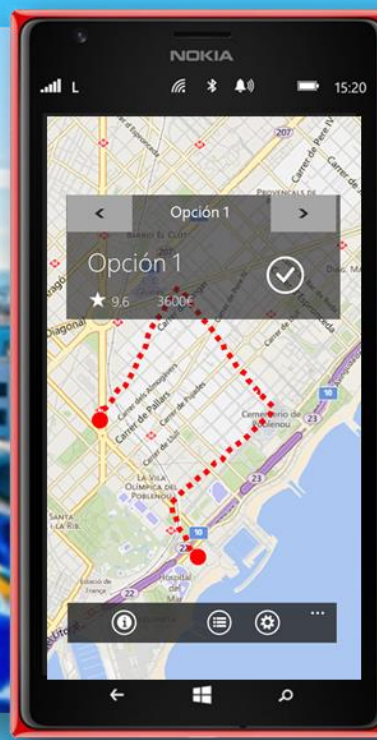
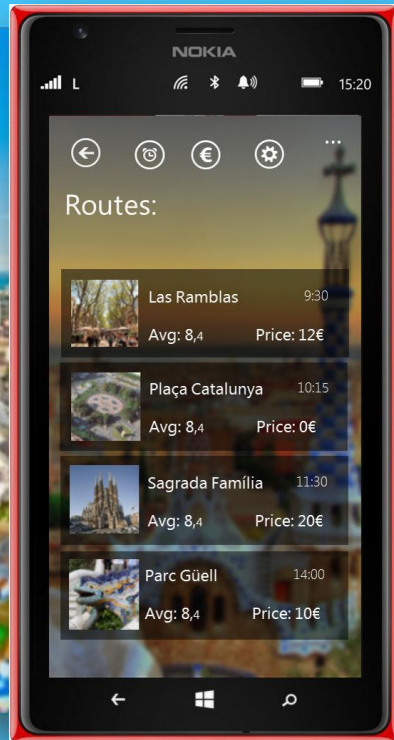




# Smart Destination

provides the best experience to enjoy the best vacation of your life

- ✓ This is **Big Data**
- ✓ This is **Internet of Things**
- ✓ This is **Smart Destination**





# Microsoft CityNext



Improving Social Services and Healthcare with Big Data – BISMART



# Big Data for Social Services forecasting





# Big Data for Social Services forecasting

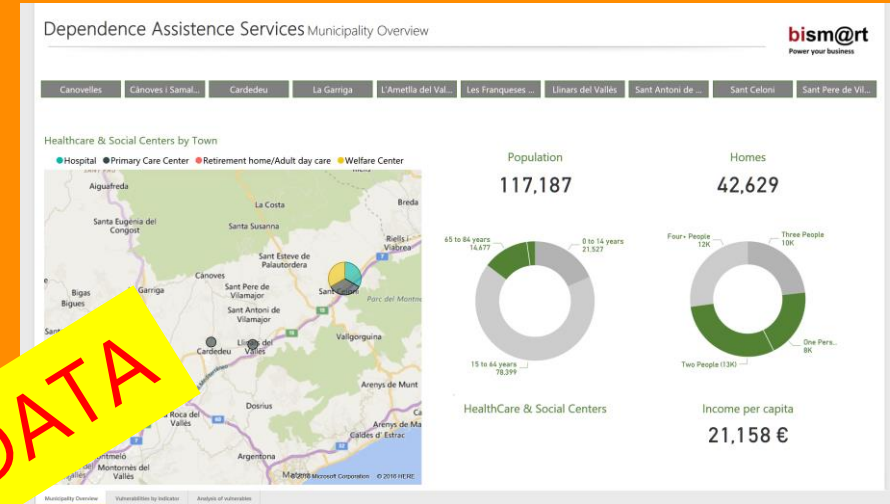
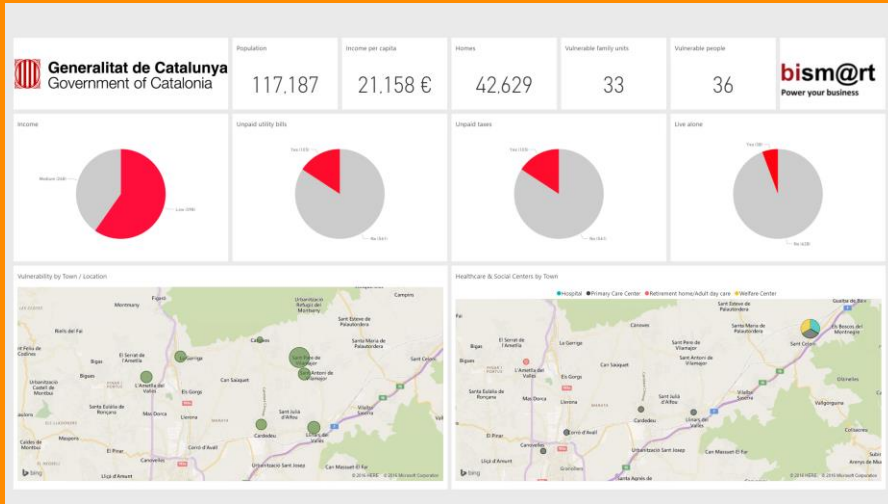
Bismart correlates different sources of data to identify this vulnerable population in order to provide them the grants that the municipalities have for this purpose

Municipalities offer grants in a reactive way, to people who apply for them. But there are a lot of old people who don't know how to access help, maybe they are too embarrassed to ask

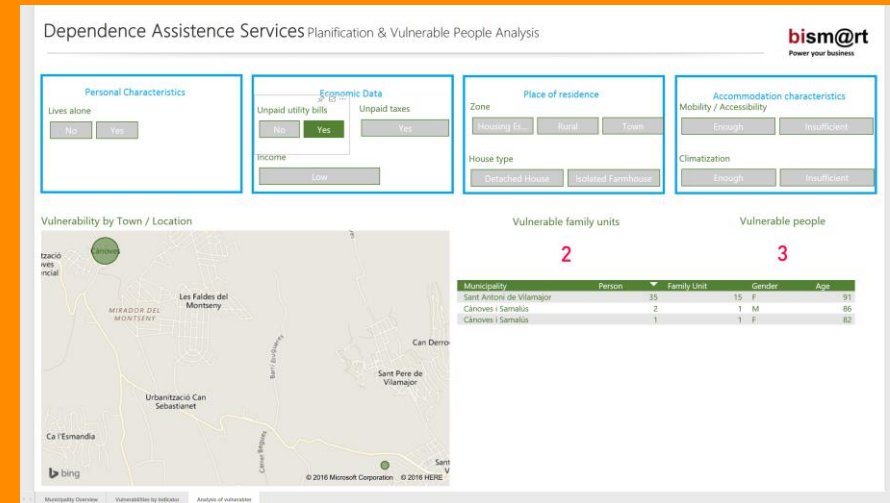
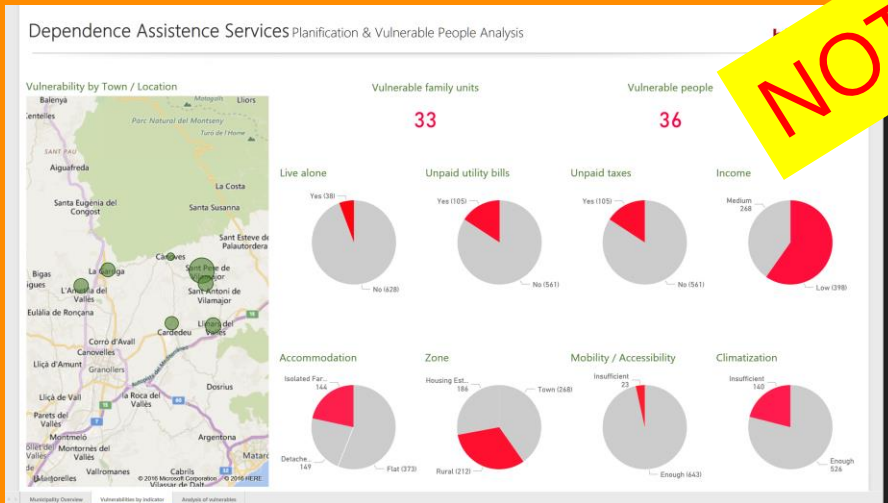


# Big Data for Social Services forecasting

## Bismart predictive solutions help to forecast the budget



NOT REAL DATA



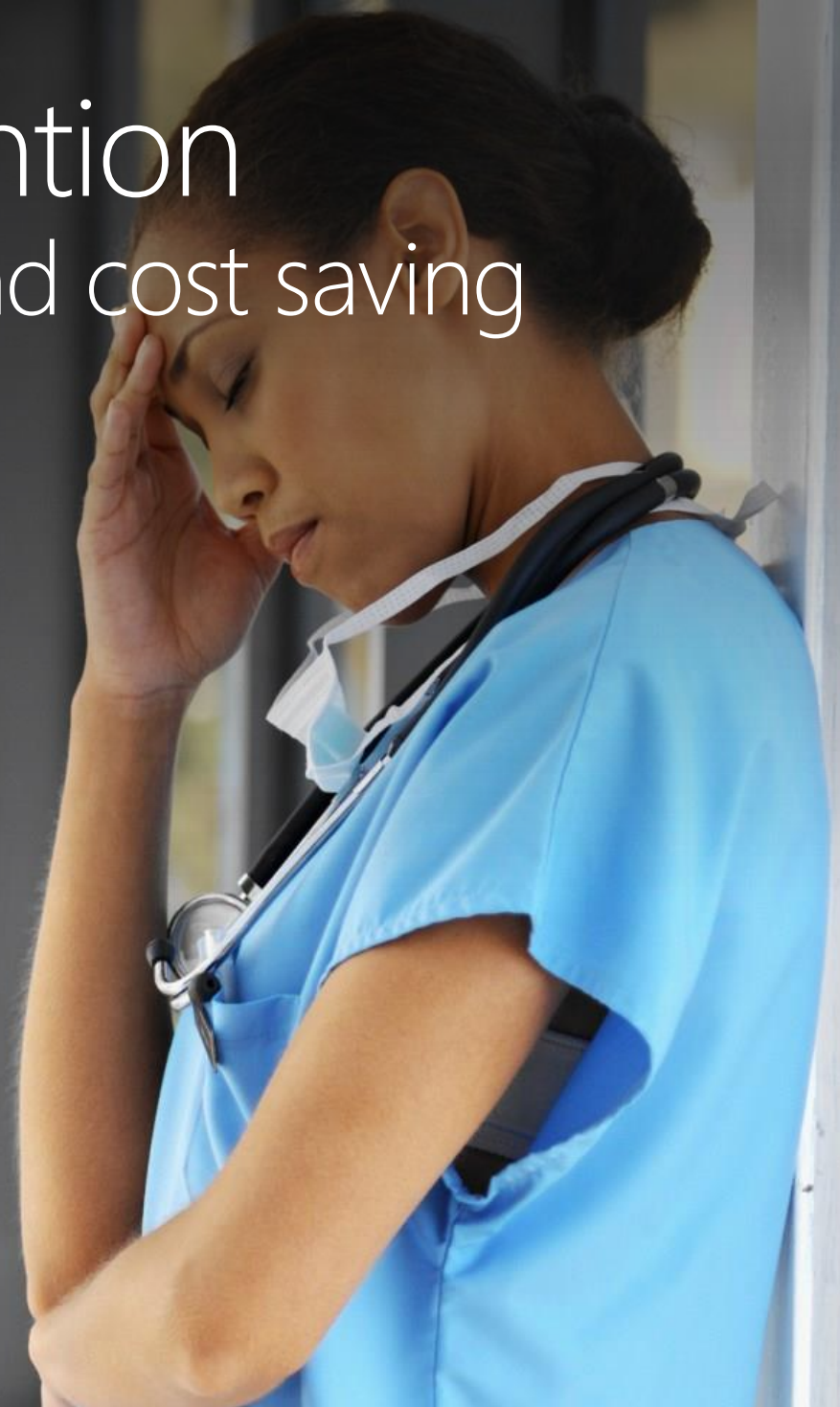


# Hospital Readmission Prevention

To improve the patient quality of life and cost saving

This is a grim situation for patients that cruel illness has come into their life

- Lack of beds
- Recurring attendance delays
- Sordid sensation of a lack of humanity in professional and patient relationships



# Hospital Readmission Prevention

A healthcare worker in blue scrubs is holding the hand of an elderly patient lying in a hospital bed. The patient is covered with a white blanket, and the healthcare worker's hand is gently resting on the patient's arm. The background is softly blurred, showing a typical hospital room environment.

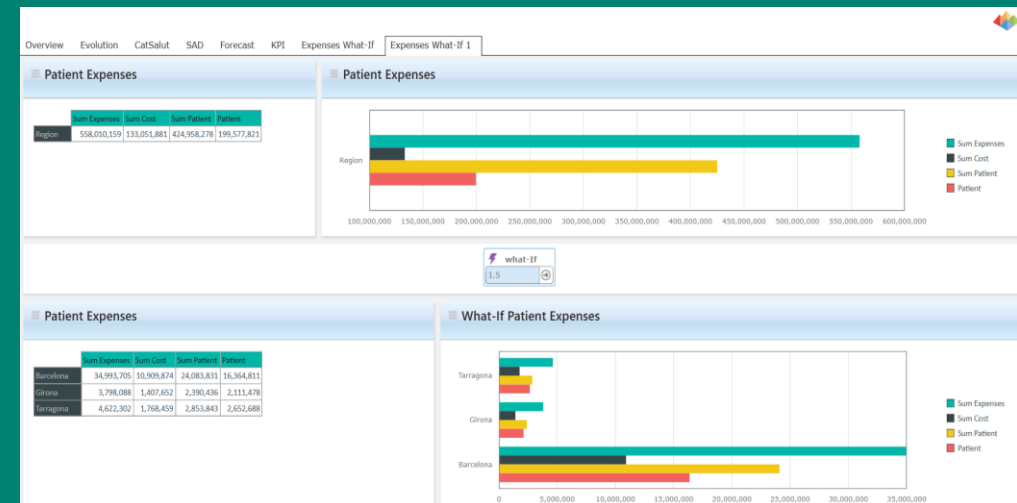
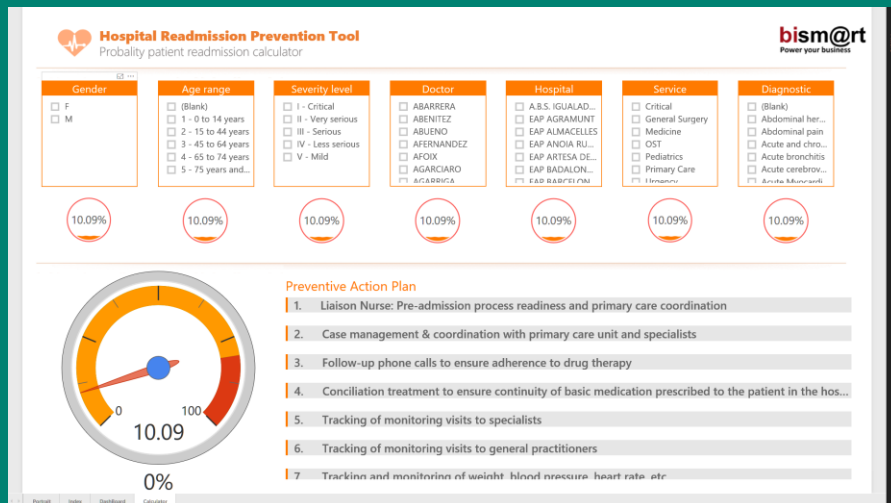
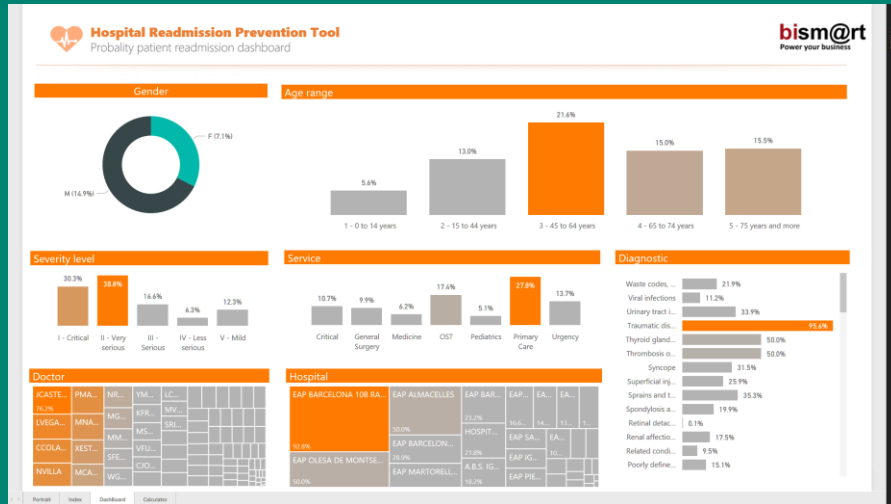
To improve the patient quality of life and cost saving

Machine learning solution which minimizes the number of readmissions in the Hospital and reduces the hospital stay by identifying the population risk segments and the situations that occur when patients are readmitted.



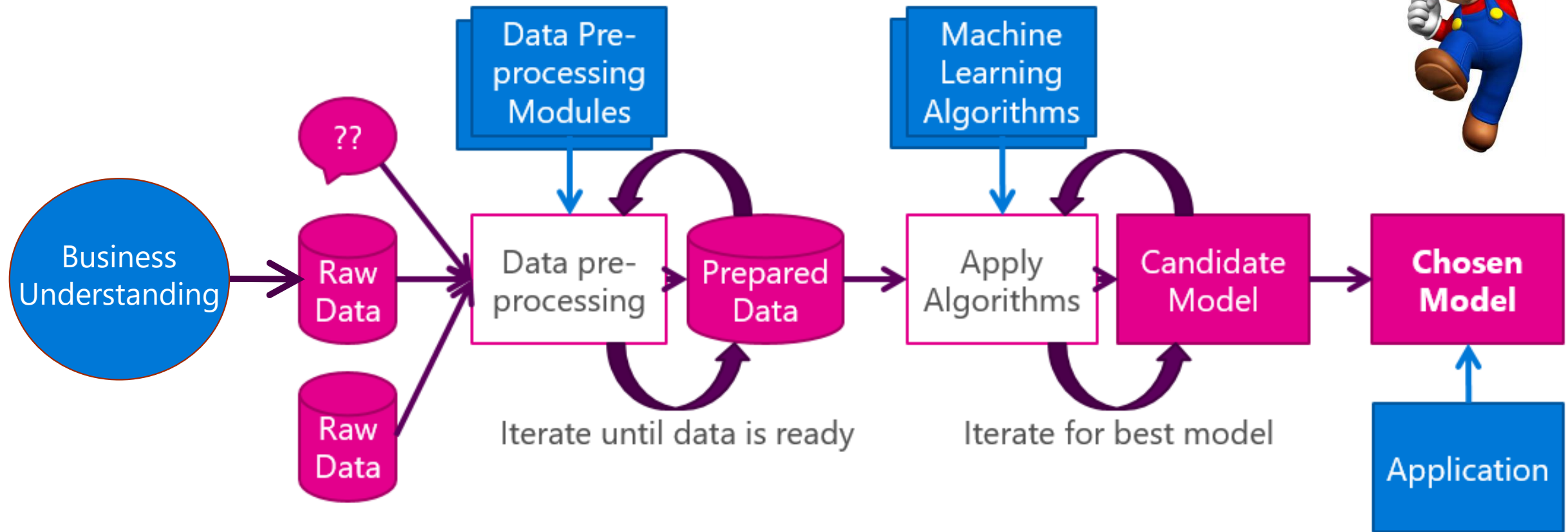
# Hospital Readmission Prevention

## To improve the patient quality of life and cost saving



# Predictive Analytics

## Machine Learning Methodology





# Power your business

Thank you!

Why not go forward together?

- Email me [info@bismart.com](mailto:info@bismart.com)
- Call me +34 931786880

Albert Isern. CEO

