Enabling Aspirations

Corporate Profile

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Agenda

Who we are

What we do

Our Work

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Who we are

Our Team

Silfra Technology is a IT company founded by a team of technology veterans and former HP India employees with the vision of providing efficient, innovative and scalable solutions that meets the precise requirements of clients.

Our co-founders have almost hundred years of industry experience working with Fortune 500 IT companies.

Our Values

We are passionate about leveraging technology to make world a better place. We leverage data insights to improve business decisions. Our vision:

- Technology for a better future.
- Innovate and explore new avenues
- Give Back to Community

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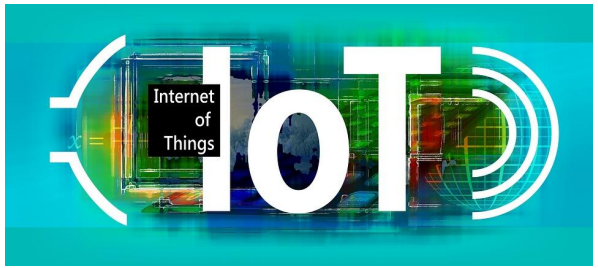
What we do

We are SILFRA Technologies, an IT Services firm headquartered in Bangalore,India..

We are passionate about applying technology to make world a better place; we leverage data insights to improve outcomes.

Data Analytics to drive effective business outcomes



IoT: Management of data from devices,networks & apps

Digital: eCommerce, Digital Marketing, Mobility, Portals

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software
algorithms in decision making

fuzzy boundaries

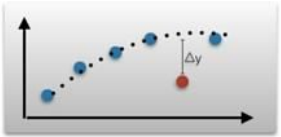
rule-based decision making

if condition fulfilled *then*
activity 1
else
activity 2

boolean data
(yes or no)

Examples:
- phone notification
- time- or threshold-based alarms
- simple pattern matching

statistical reasoning

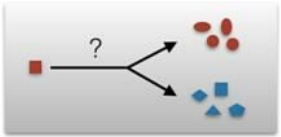


simple regression

numerical data
allowing for curve fitting

Examples:
- extra- and interpolation
- outlier detection
- predictive maintenance

machine learning

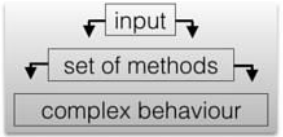


classification tasks

arbitrary data
that needs to be abstracted into numbers

Examples:
- identification of relevant features from large input datasets
- quality control using various metrics

artificial intelligence



dynamic adaptation to novelty

autonomous selection of best methodology when presented with **arbitrary data**

Examples:
- autonomous vehicles
- human-like conversational skills
- intelligent digital assistant

every programmer

data science types

complex systems specialists

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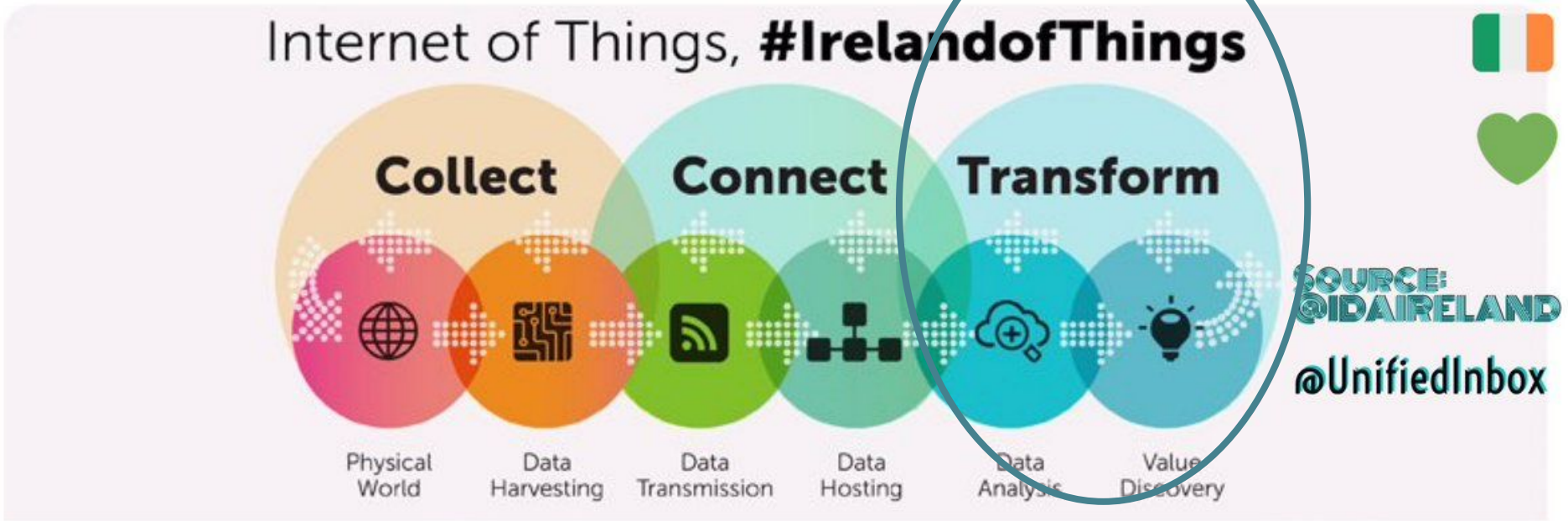

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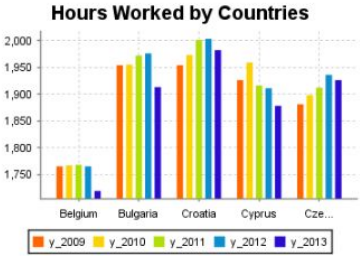
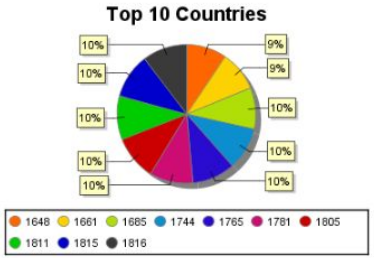
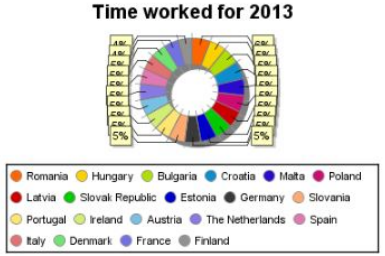
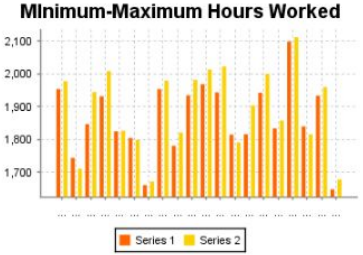
SILFRA TECHNOLOGIES

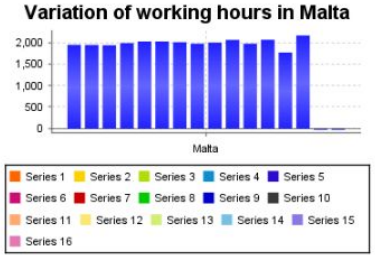
Data Analytics Case Study: HR Analytics Pentaho CE

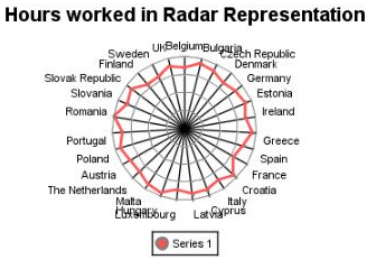


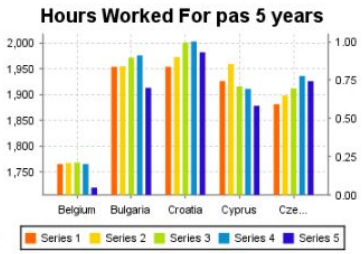


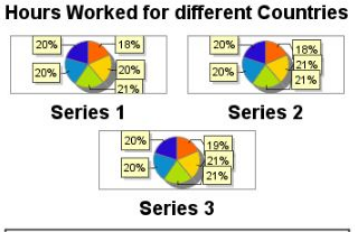


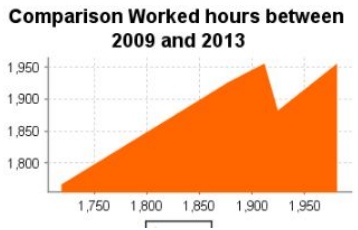












Pentaho Interactive Dashboard

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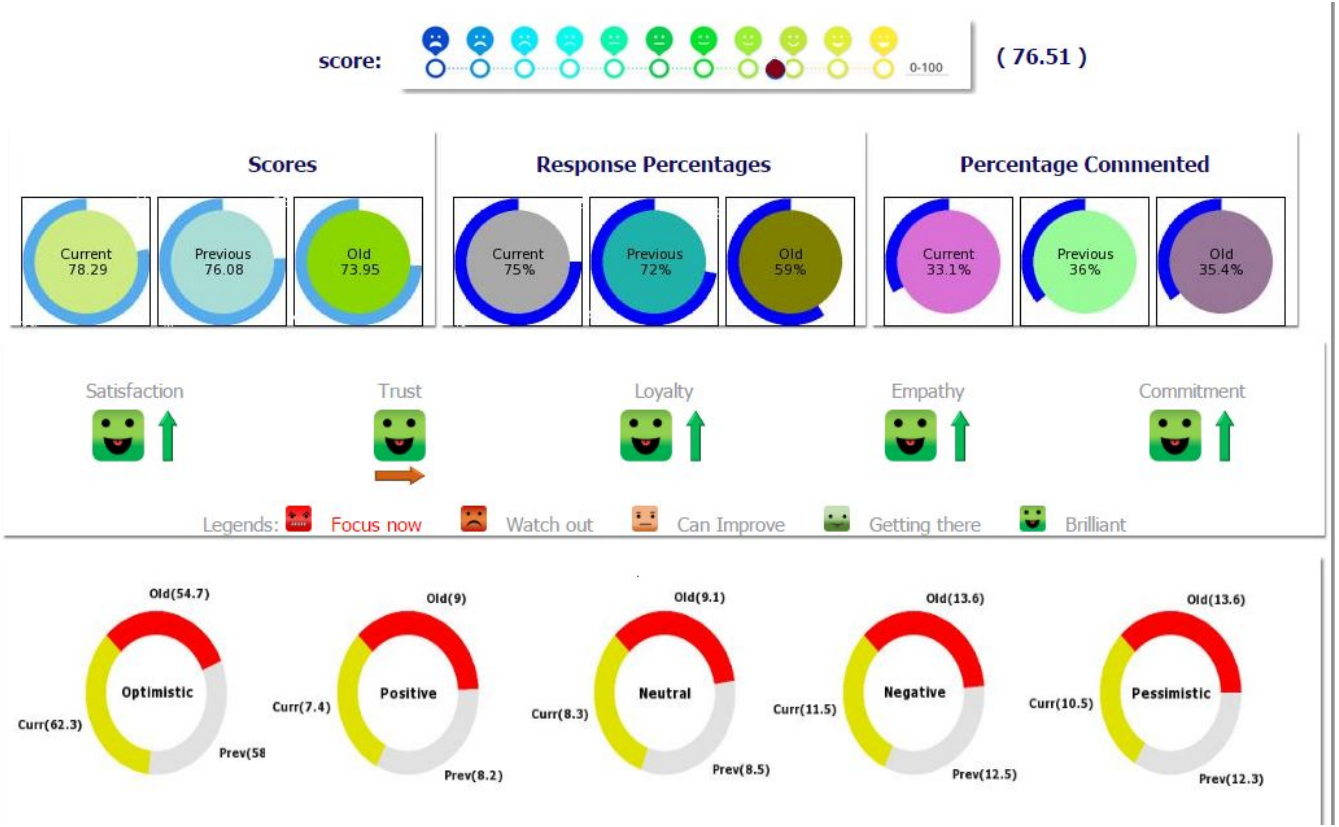
Data Analytics Case Study: Visualization using php/JpGraph

Opinion Poll Results visualized using php/JpGraph

- Based on JpGraph library
- Fully functional and dynamic charts
- Export to pdf without loss of resolution or data
- Role based customizations into the charts generated



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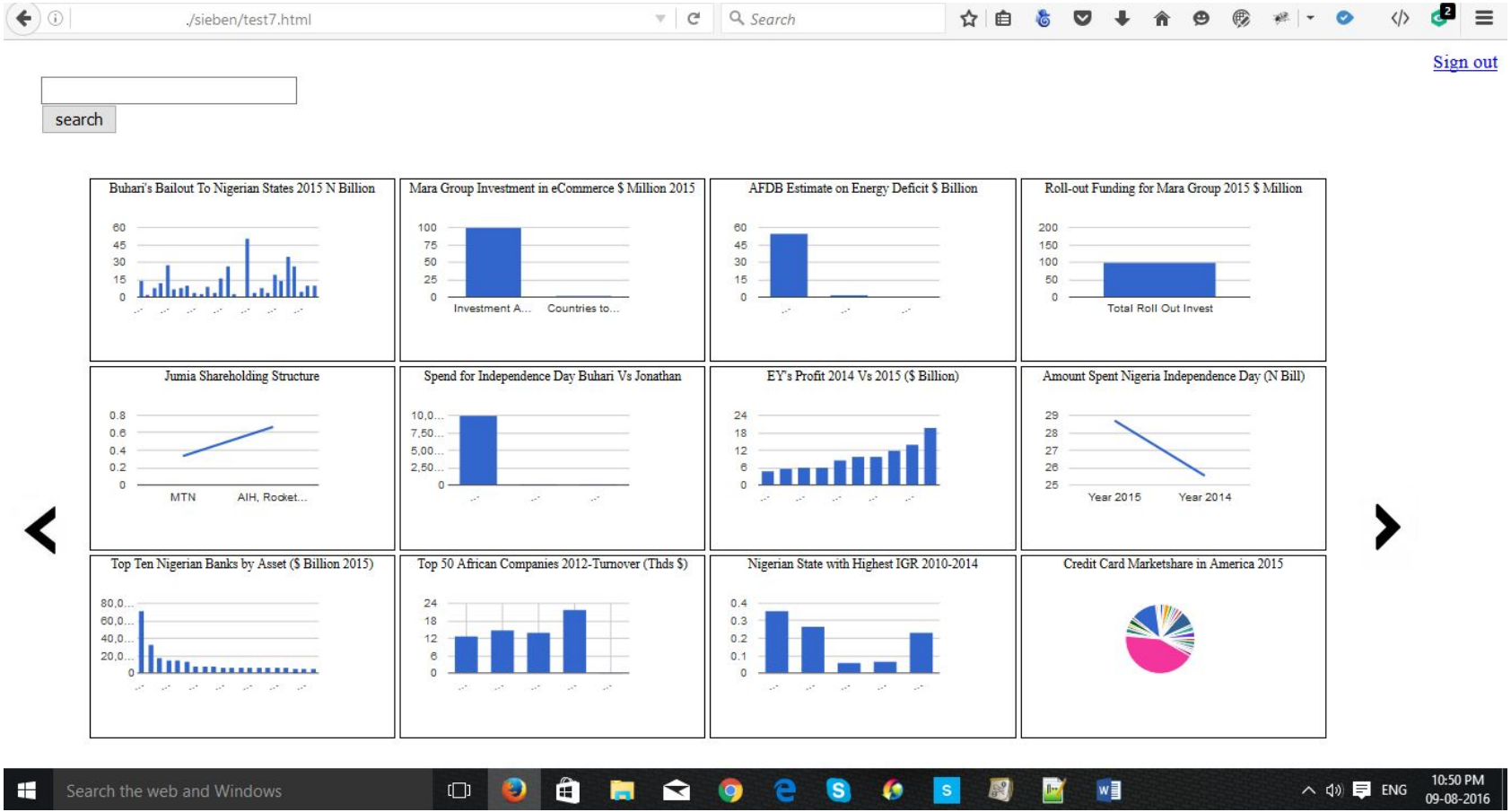
Data Analytics Case Study: Visualization with Google Platform



FrontEnd : Google charts,Javascript **BackEnd:** Google Script/Google Sheet

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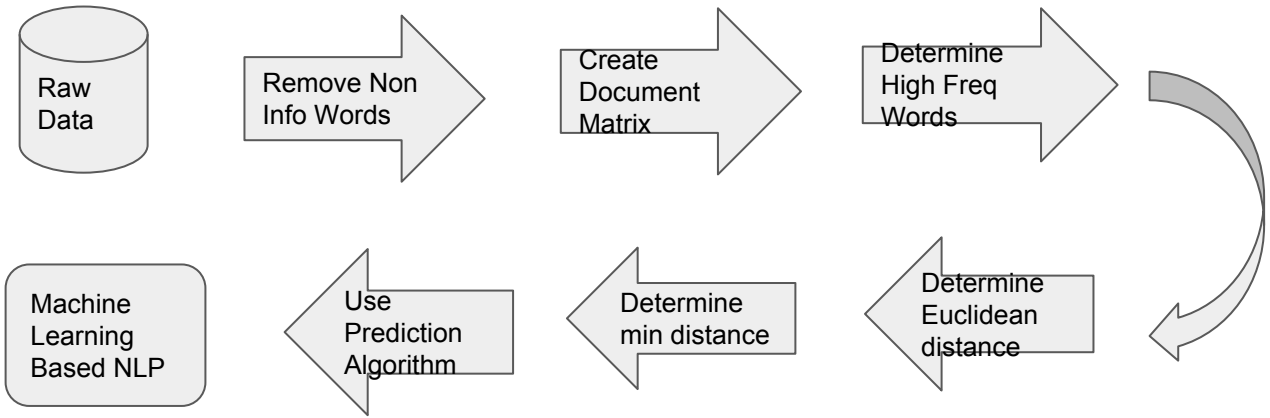
Data Analytics Case Study: Categorize Customer feedback using NLP

Problem Statement: Our US Client was looking for automated solution to classify reviews posted on multiple social networking channels they monitor about their service.

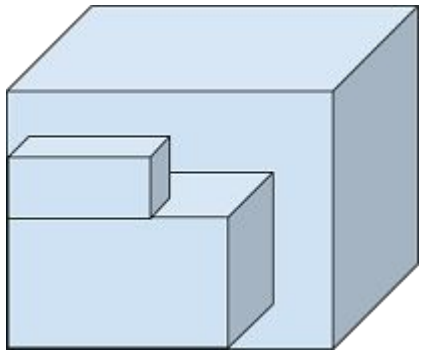
Solution Description: We developed a machine learning neural network based naive bayes classifier to classify the service review received on their social network sites.



Shipment Optimization Case Study: 3d bin packing algorithm for UPS

Problem Statement: One of our client was facing lower sales due to high shipping cost arising out of sub optimal packing and higher shipping charges. The customers on this website could purchase one or more items. Based on dimensions of all purchased items and their weights the program should select most optimized (lowest shipping cost) box (or boxes if one box does not fit all) to optimize the total cost for end users.

Solution Description: We implemented a box packing algorithm to firstly utilize maximum surface area, then by volume followed by weight to find the most optimized set of package to be selected.



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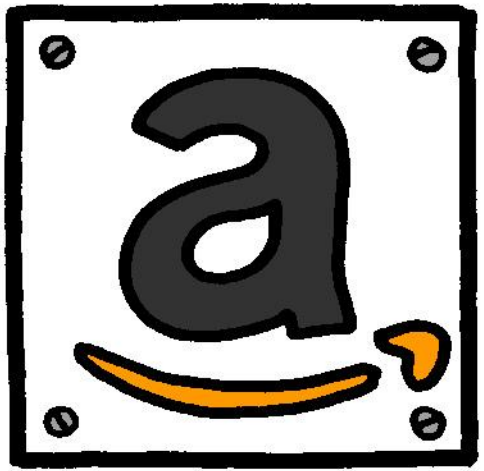
SILFRA TECHNOLOGIES

Inventory Analysis Case Study: Amazon Seller

Inventory Analysis of an US based Linen Merchant

- Import Daily and weekly sales
- Import inventory data
- Reconcile sales vs inventory
- Recommend inventory replenishment
- Cost and profitability analysis
- Returns analysis



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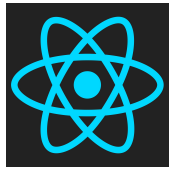
Our Expertise



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