



# Digital Analytics #7

Becoming a Data Scientist



# Hello!

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You can find me at:



@tasosventouris



Tasos Ventouris

A network diagram background consisting of a complex web of interconnected nodes and lines. The nodes are represented by circles of varying sizes and colors, including light gray, dark gray, and blue. Some nodes are highlighted with a blue outline. The lines connecting the nodes are thin and light gray, creating a dense, interconnected structure that fills the background.

**Let's start with a...**

**FLASHBACK**

2012...



≠



Public Sector



2013...



+

20+ online courses from

**coursera**

**edX**

**udemy**

Now what...?



# Choices everywhere...

Safety



Adventure



~~Academia~~

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**Another...**

**FLASHBACK**



2010...



2010 - 2013...



What others see

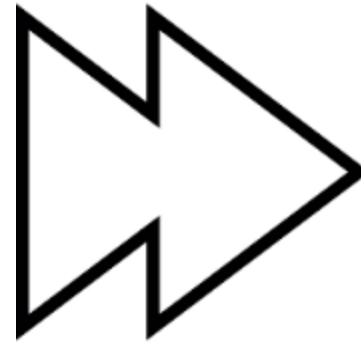


What I see



A decorative network diagram in the top-left corner, consisting of a complex web of interconnected nodes and lines. Some nodes are highlighted with blue circles or dots, while others are grey. The lines are thin and grey, creating a mesh-like structure.

**Back to 2013...**



Now Hattrick...



2013-2014...Building a portfolio

kaggle

or



Subject Expertise

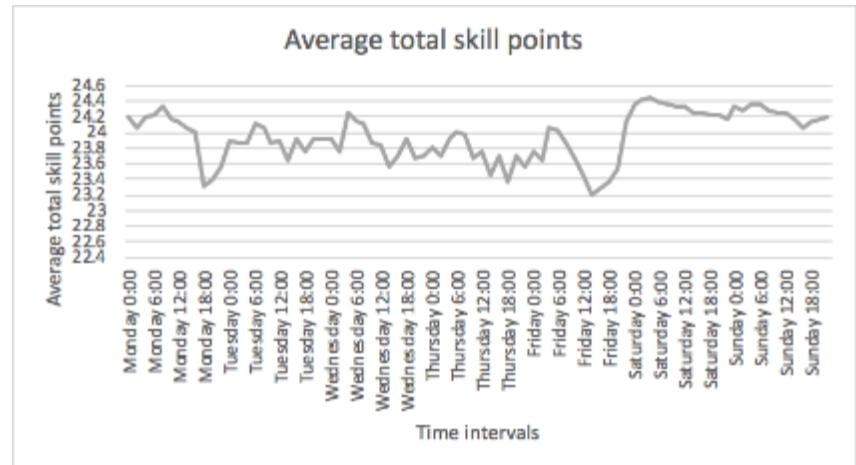
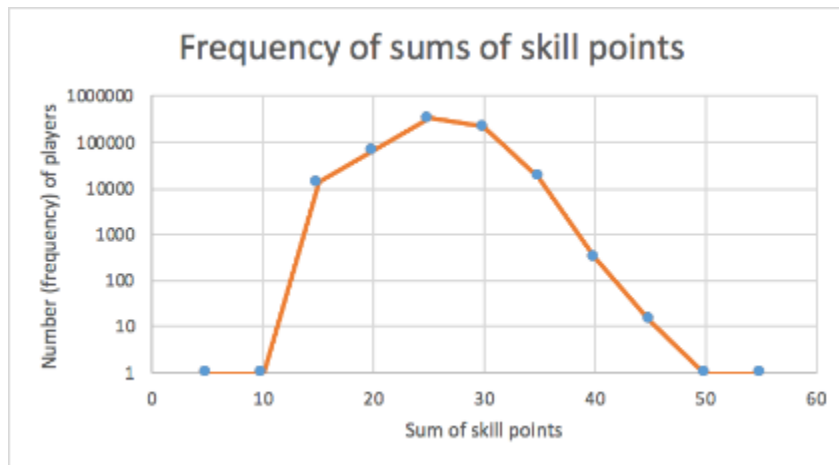
Blog posts...

30+ blog posts about

- Statistical analysis of matches
- Interviews of successful users
- Scrap and analyse data
- Researches and reports

## Data Analysis project

We analysed **645,129 youth players** to identify trends, distributions and frequencies of talented players



# Machine Learning

Predict National Team elections with users clustering

12 candidates in Greece

## Predictions

1st 181 votes  
2nd 128 votes

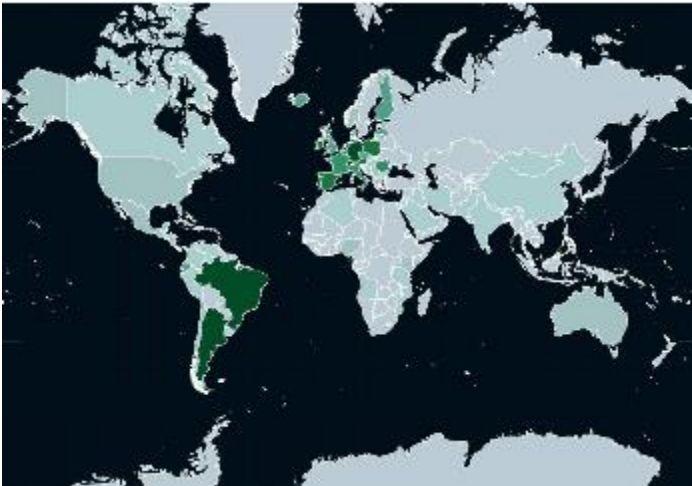
## Results

1st 187 votes  
2nd 158 votes





# Visualisations



FTO Mailings - January 4, 2010 0 AM



## Developing

20+ assistant manager tools based on personal researches and formulas

- 24 languages
- 20 contributors
- 1000 visitors/day

The screenshot displays the HT-Tools website interface. On the left is a dark sidebar with navigation options: Home, Healing Calculator, Subskill Level, Series Swapping, and Next Season Table. The main content area features a search bar, a 'Register' and 'Login' link, and a green 'Information' dropdown menu. The primary tool is the 'Healing Calculator', which includes three sliders: 'Medic Level' (set to 0), 'Age' (set to 17), and 'Injury Weeks' (set to 0). Below the calculator is an 'Optional: Find the sublevel of the injury' dropdown. To the right, a 'Results' section contains a table with columns for 'Health Updates', 'Weeks', and 'Days'. The table has two rows: 'Bruised' and 'Healthy', both with empty cells in the subsequent columns.

	Health Updates	Weeks	Days
Bruised			
Healthy			

When I was ready...



# Proposal for a job

[www.hattrick.org](http://www.hattrick.org)

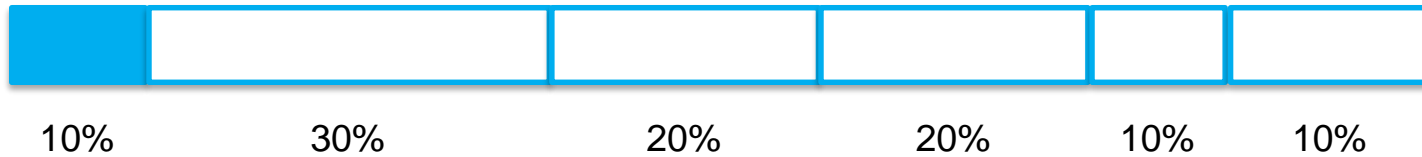
A decorative network diagram in the top-left corner, consisting of various sized grey circles (nodes) connected by thin grey lines (edges). Some nodes are solid grey, while others are hollow with a grey outline. The connections form a complex, interconnected web.

# A typical week

@hattrick

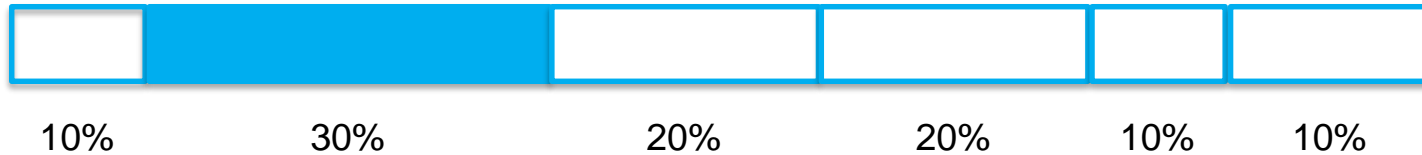
A decorative network diagram in the bottom-right corner, similar to the one in the top-left, featuring grey nodes and connecting lines.

## Machine Learning



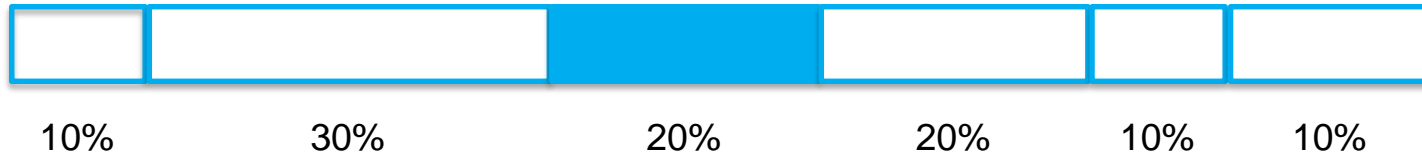
- Shop offers
- Fraud detection
- Automated Decisions

## Analytics - SQL



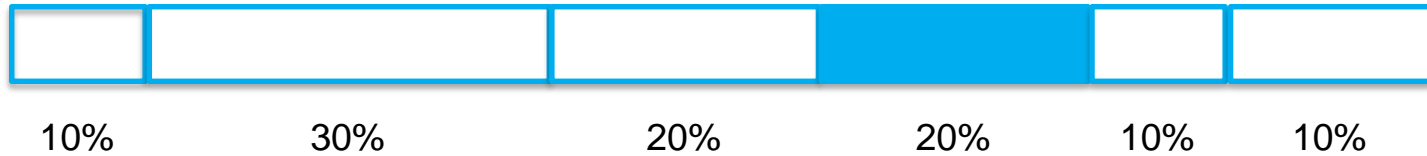
- Google Analytics
- Users retentions
- Users engagement
- Income funnels
- Users classification (RFM analysis)
- Any kind of fetching data from the DB :P

## Developing



- Fix bugs
- Implement new (small) features

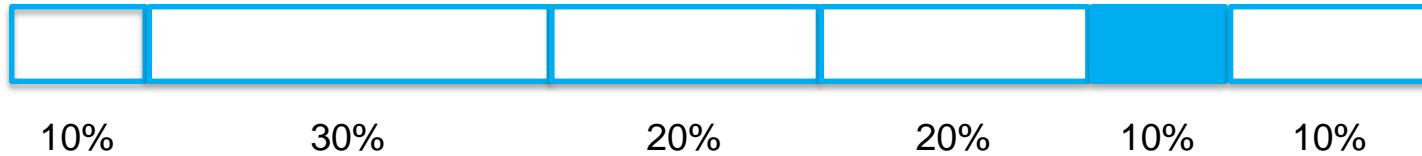
## Game Design



- Monitor in-game economy
- Simulations
- Math Formulas

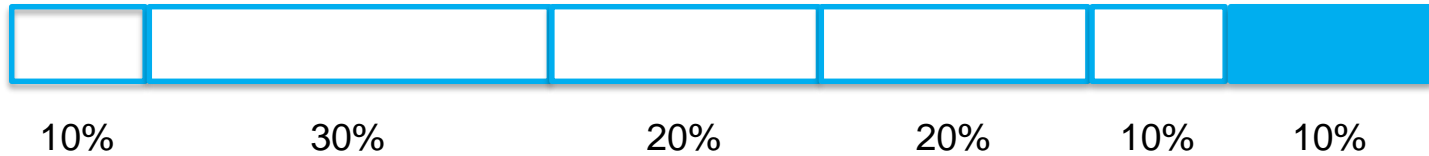


## Community Management



- Blog posts
- Forum answers
- Email answers
- Assist volunteers with statistics

## Further Studies



- Edx
- Coursera
- StackExchange
- Slack



# Working remotely

in a small-medium company

## Advantages (or maybe disadvantages?)

- Easier to get a job in a small company
- Tracking hours or free working schedule (work when you feel productive)
- Online meetings... A lot of meetings!!!
- Will feel left out
- Expect travelling frequently (researches -> increased anxiety)
- Distractions (Advice: don't work at home!)
- Timezone challenges
- Local taxes :(



**Thanks!**

**Any questions?**

