Digital Analytics #7

Becoming a Data Scientist

Hello!

Tasos Ventouris

Data Scientist and
 Game Designer
 @ Hattrick Ltd

You can find me at:

@tasosventouris   Tasos Ventouris

Let's start with a…

2012…

BACHELORS DEGREE

≠

Public Sector

4

2013…

+

20+ online courses from

coursera

edX

udemy

Now what…?

Choices everywhere…

Safety

Adventure

Academia

Another…

FLASHBACK

2010…

2010 - 2013…

What others see

What I see

Back to 2013…
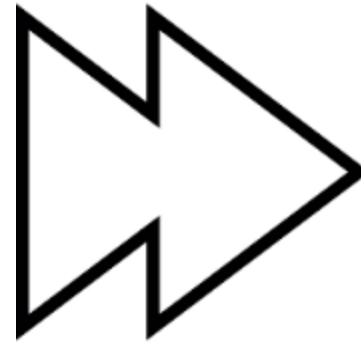
Now Hattrick…

2013-2014…Building a portfolio

kaggle or

Subject Expertise

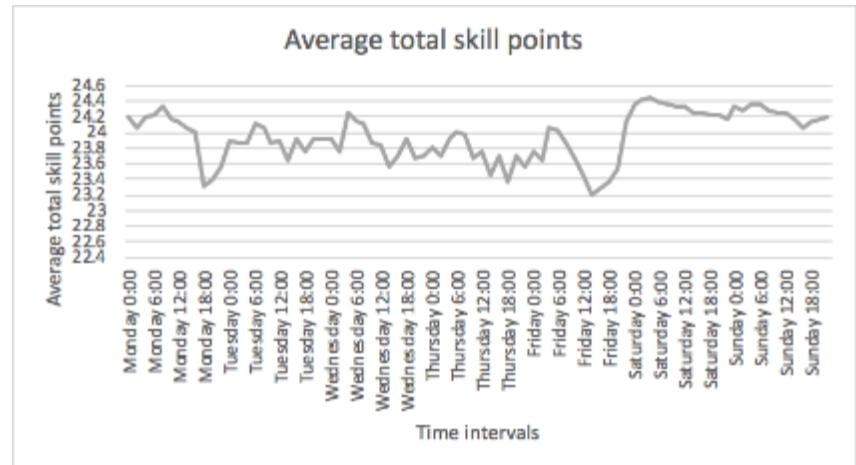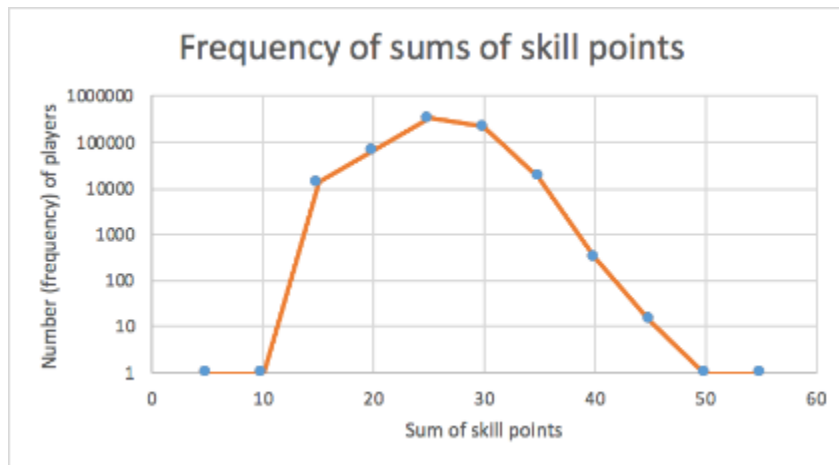Blog posts…

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

Frequency of sums of skill points

Average total skill points

Machine Learning

Predict National Team elections with users clustering

12 candidates in Greece

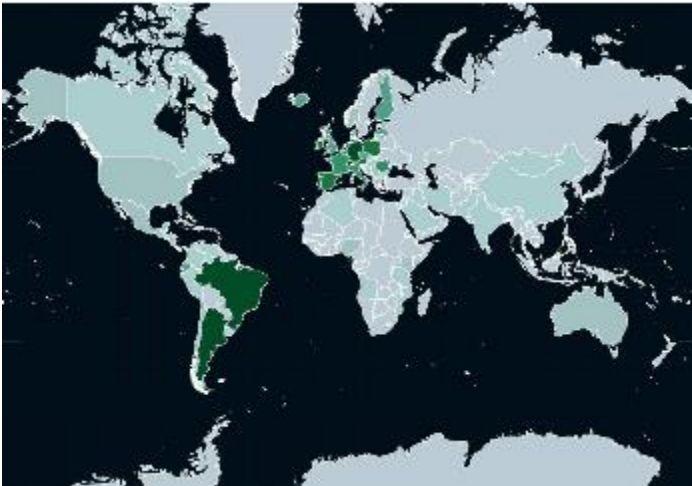| **Predictions**	**Results**
1st 181 votes	1st 187 votes
2nd 128 votes	2nd 158 votes

Visualisations

HTO Matches - January 1, 2018 8 AM

Developing

20+ assistant manager tools based on personal researches and formulas

- 24 languages
- 20 contributors
- 1000 visitors/day

When I was ready…

Proposal for a job

www.hattrick.org

A typical week

@hattrick

Machine Learning

10%	30%	20%	20%	10%	10%
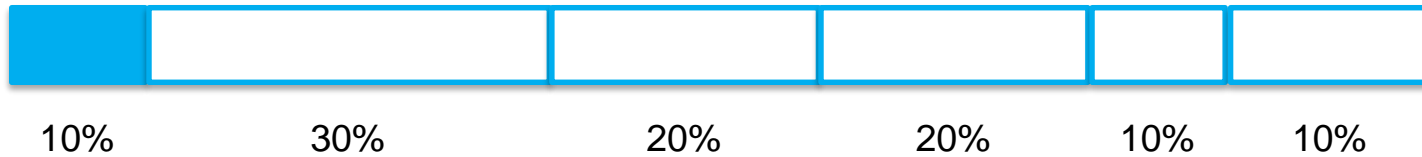
- Shop offers

- Fraud detection

- Automated Decisions

Analytics - SQL

10%	30%	20%	20%	10%	10%
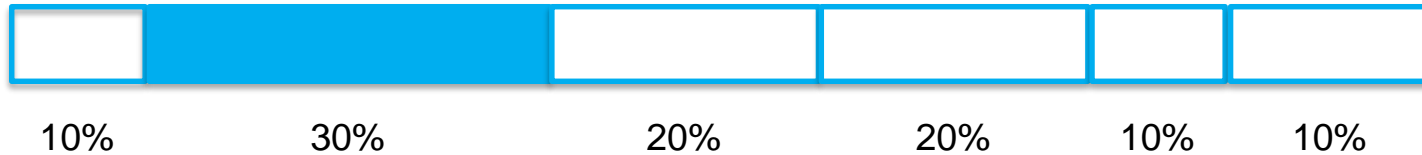
- Google Analytics

- Users retentions

- Users engagement

- Income funnels

- Users classification (RFM analysis)

- Any kind of fetching data from the DB :P

Developing

10%	30%	20%	20%	10%	10%
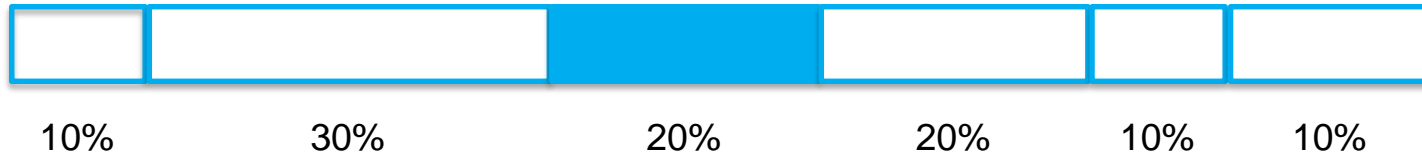
- Fix bugs

- Implement new (small) features

Game Design

10%	30%	20%	20%	10%	10%
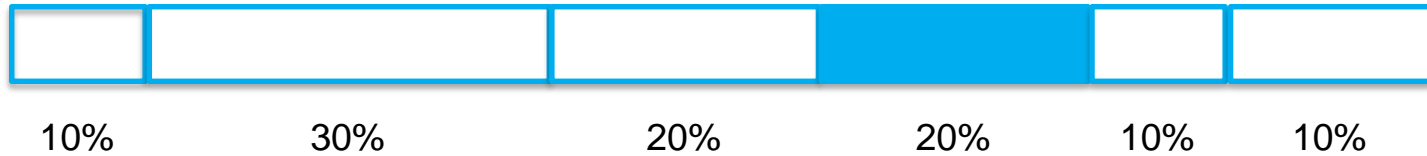
- Monitor in-game economy

- Simulations

- Math Formulas

Community Management

10%	30%	20%	20%	10%	10%
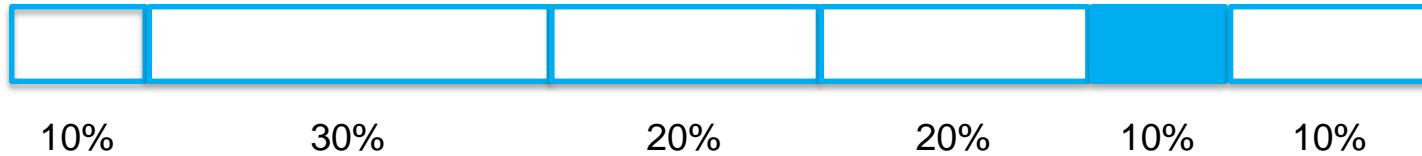
- Blog posts

- Forum answers

- Email answers

- Assist volunteers with statistics

Further Studies

10%	30%	20%	20%	10%	10%
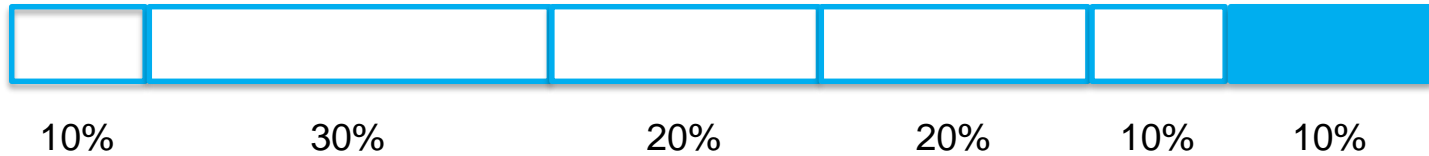
- Edx

- 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?