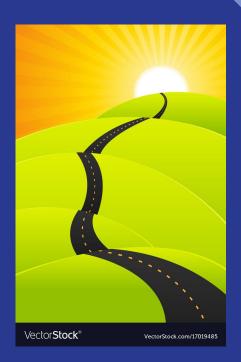
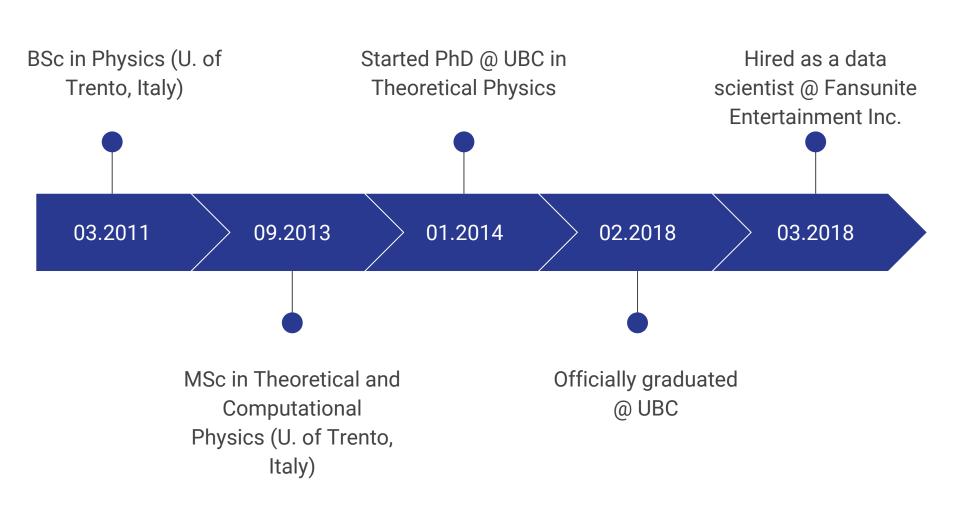
## From academia to industry

A physicist case study (statistical significance might be low)

Mirko Miorelli,
PhD Theoretical Physics,
Data scientist @Fansunite Entertainment Inc.





## What academia is...

## The objective

## The community

### **Timing**

 Transparent and pure objective. Enrich human knowledge. Very complex problems  Great collaborations, we all want everyone to succeed since the objective is mutual.  Things must be done just right. Sure, you need to publish, but rigour comes first.

## What academia is...

### The objective

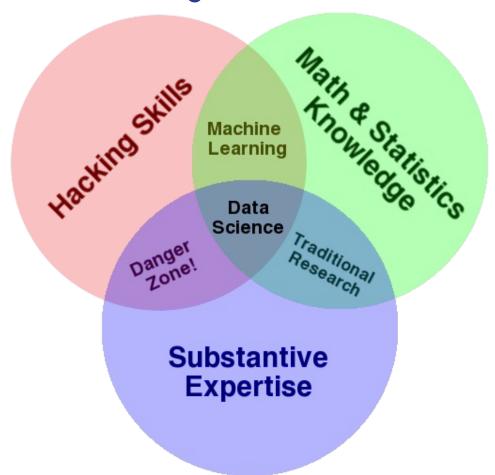
### The community

### Timing

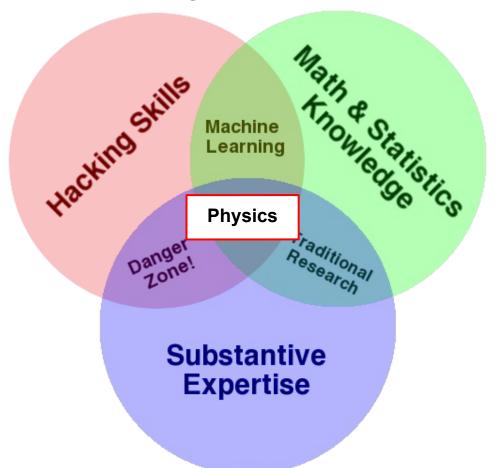
 Transparent and pure objective. Enrich human knowledge. Very complex problems  Great collaborations, we all want everyone to succeed since the objective is mutual.  Things must be done just right. Sure, you need to publish, but rigour comes first.

## ...and what industry is (not)

 Business problems not very challenging. In industry is all about money. Enrich yourself or perish.  Ideas are kept private and you do not share breakthroughs. After all, you have to be selfish to make money.  You need to deploy a MVP asap. Time is money.
 Faster is richer. What working as a data scientist in industry really is about...

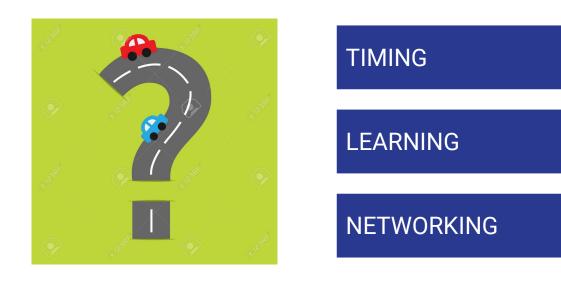


## What working as a data scientist in industry really is about...



- Collect, clean and build infrastructure to store data
- Explore data to look for trends and correlations
- Read research papers and implement new methods/algorithms
- Lots of math, coding and thinking! Real data is dirty, messy and noisy!

## So... where to start?



To go or not to go...

#### The doubts of a physicist...

- I am physicist, what else can I do other than physics?
- I don't feel that smart, will I succeed in the outside world?
- I have no idea how it works out there...
- What if I don't find a job?

#### Some help from:

- UBC/University career services (use them!!!)
- People who already switched from academia to industry
- No risk, no fun



#### Start learning

Online courses



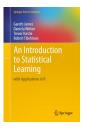




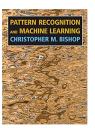




Books







Workshops/hackathons



**Program Info Session** (Today 6pm @ Sauder School of Business, UBC, room **HA292)** 

Networking is the key

- LinkedIn
- Go to networking events (meetups for example)
- Informational interviews
- UBC ten thousand coffees (https://www.tenthousandcoffees.com/)







## Attend career fairs

- UBC/SFU career days and events (https://students.ubc.ca/career/career-events)
- Prepare your resume (not the academic one!) (https://students.ubc.ca/career/career-resources/res
   umes-cover-letters-curricula-vitae)
- Research about the companies, scope for open positions
- Talk to recruiters, get their contact and follow up after the event

- Phone screening interview (can be technical)
- First in-person interview with tech team leads
- Second in-person interview with HR/other departments people
- Hopefully an offer!!

Interviews time!

Don't despair if no one calls you! Keep hammering them, keep trying, keep learning and don't give up!

06.2016 > 10.2016 > 02.2017 > 09.2017 > 02.2018 > 03.2018

- 1.5 years of preparation
- Countless hrs of free time spent on coding and experimenting
- Considerable energy spent to socialize (eeeeew!!!)
- Applied for roughly 20 jobs
- 4 phone interviews
- 2 in-person interviews
- 2 job offers



### What I learned...

- Companies are looking for smart people (you are physicists, you are smart!)
- Projects experience could land you a job
- Sell yourself. Be confident.
- It is worth paying for certain things (LinkedIn Premium, AQM, career fairs tickets)
- All the opportunities I had were because of networking

Program Info Session (Today 6pm @ Sauder School of Business, UBC, room HA292)









# Thank you!

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(connect with me on LinkedIn!)





