



UiO : **Department of Mathematics**  
University of Oslo

# PhD Think Career

**David R. Banos**

**October 18th, 2023**

# Roadmap

- 1 Short about me**
- 2 Path from PhD to (non-PhD) job**
- 3 The interview and trial lecture**
- 4 My tips**

# Short about me

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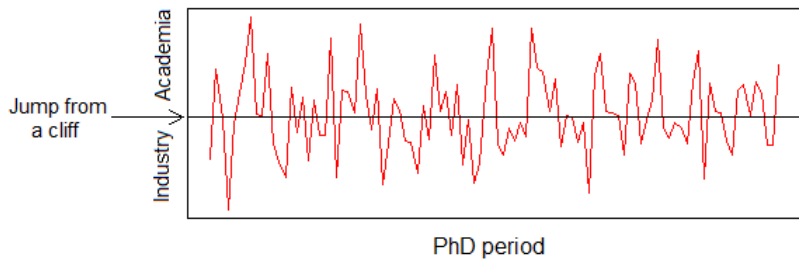
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  - Finance: sensitivity analysis (the Greeks)
- After Phd:
  - More stochastic analysis: delay equations with jumps, SPDEs...
  - Probability theory: regularity of densities, Fokker-Planck equation...
  - (Currently) Insurance mathematics: pricing and hedging of Unit-Linked policies, stochastic mortality rates, filtering...

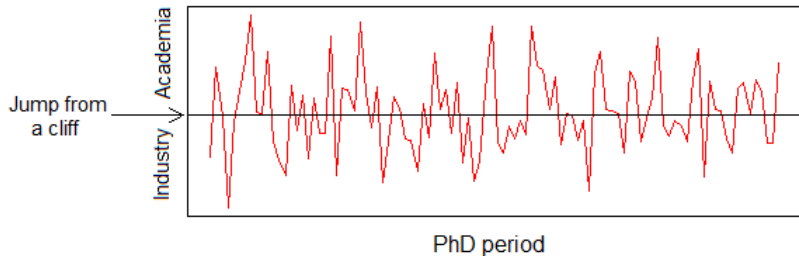
# Path from PhD to (non-PhD) job



## What do I want to do after PhD?

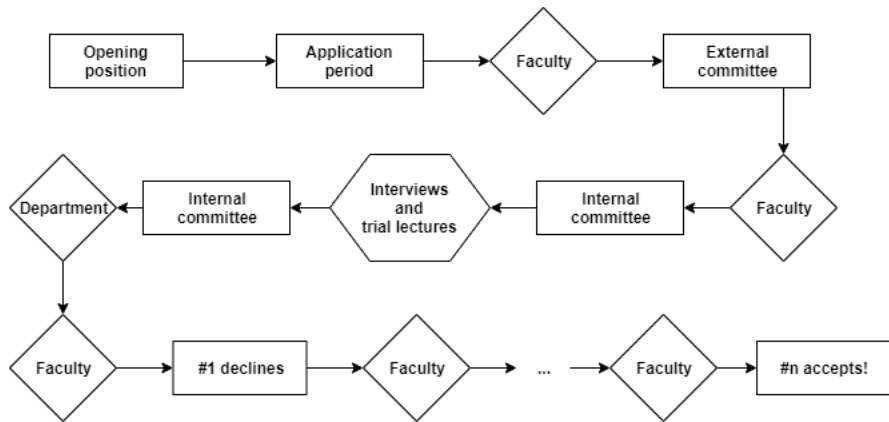


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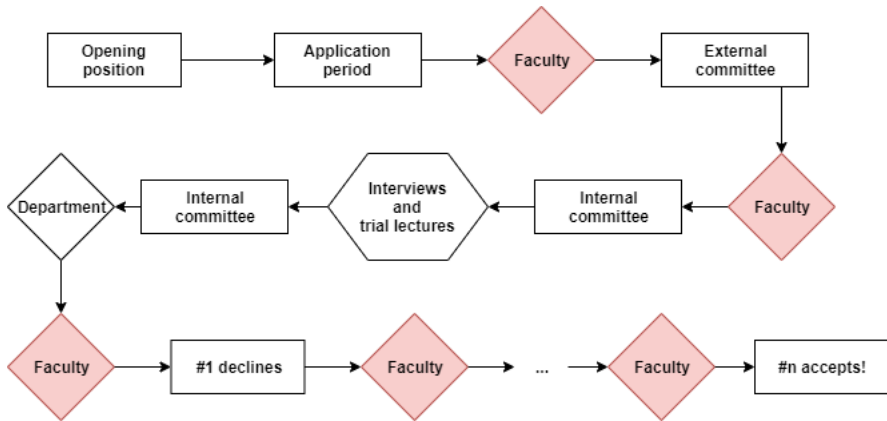


If you have chosen Academia, I can try to give some tips!

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# My own experience

- More or less that's the process in Norway and in some countries
- Some interviews were via Skype
- Nord Universitet, Universitetet i Tromsø, Høgskolen i Innlandet, University of Oslo,...
- I must admit I applied for positions I knew in advance I would decline. (Explain why)

# The interview and trial lecture

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Most of them are very similar. Expect questions like...

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## 3 Altmuligart block:

- Define yourself, say good/bad qualities.
- Your personal goals. Motivations, etc.

# The trial lecture

You get a topic to teach about one week before.

- Be tidy on the blackboard
- Use colors
- Make pauses
- Check all those pedagogical tips, etc. etc.
- Do not use notes.

# My tips

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- 7 Keep a good balance between ambition and realism

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