



## Internship – *Risk analyst*

**Company :** AXA Climate

**Start :** Earliest possible

**Length :** 6 months

**Tutor :** Virgile Salmon ([virgile.salmon@axa.com](mailto:virgile.salmon@axa.com))

### Company

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AXA, as one of the world leaders in financial protection, supports and advises its customers in three major business lines: Property & Casualty Insurance, Life & Savings, and Asset Management. Since 2014, AXA climate team has developed market-leading products to insure against climate risks. Clients range from individuals and corporations to governments and public institutions; they come from various weather-sensitive sectors across the world including agriculture, renewable energy, construction, transportation, leisure, and textiles.

Data scientists, meteorologists, business developers, and underwriters make up the parametric insurance team. Working closely together, they create innovative insurance products that meet clients' needs.

### Mission

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AXA Climate is looking for an intern who will support the team in modeling climate hazards with a focus on tropical and wind storm events over multiple geographical locations.

In addition to this modeling aspect, the intern will help the risk management team in their operational daily tasks.

### Main roles and responsibilities

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In partnership with the product team and the risk management team, the intern will:

1. Contribute actively to scientific and technical developments
  - a. Develop statistical models for weather risk (focus on wind storms)
  - b. Explore and test other sources of meteorologic data: weather stations, satellite...
  - c. Identify key issues surrounding extreme weather events
2. Support the underwriting of parametric products:
  - a. Evaluate the risk for concrete deals
  - b. Analyse and test existing model for risk assessment
  - c. Explain technical concepts and share modeling approaches with team

## Skills

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### **Education:**

- Grandes Écoles d'Ingénieurs (e.g. ENSTA, X, CentraleSupélec, École des Ponts, Mines...)
- MSc in top universities (Paris VI, Paris-Saclay, Imperial College, ETH Zurich, EPF Lausanne...)

### **Background:**

- Studies in Data Science, Statistic and Applied Mathematics.
- Knowledges in meteorology, atmospheric dynamics, and/or weather analysis will be an advantage.

### **Language:**

- Conversational level in English required
- Fluency in French desired

### **Required skills:**

- Strong scientific skills: statistics, probability
- R or Python
- Treatment of various data sets: reanalysis, satellite, radar, etc.
- Strong autonomy
- Integrity
- Team spirit

	<b>AXA Climate</b>
<b>Department</b>	Underwriting & Science
<b>Location</b>	36, rue de Saint-Pétersbourg, Paris 75009
<b>Internship duration</b>	6 months
<b>Starting date</b>	As soon as possible
<b>Manager N+1</b>	Antoine Denoix
<b>Supervisor</b>	Virgile Salmon (virgile.salmon@axa.com)