

# The Most Demanded Jobs after a Natural Disaster

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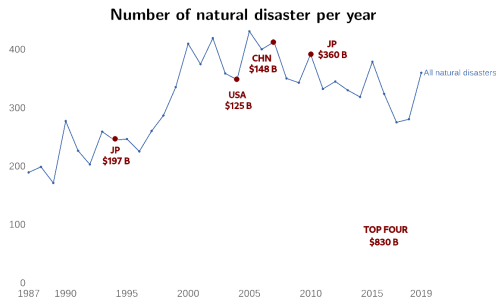
May 11, 2020

The data incubator project

# Why natural disasters?

## Natural disasters in 2019

- \* 107.77 billion US\$
- \* 11,719 deaths



EMDAT (2020), OFDA/CRED International Disaster Database, Université catholique de Louvain – Brussels – Belgium

**How has the job market changed in CA  
after earthquakes?**

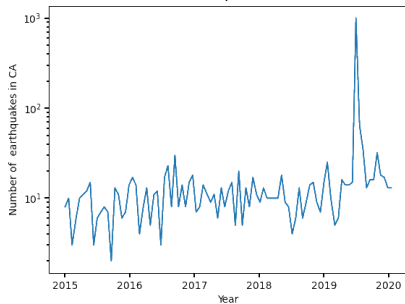
**Which have been the most demanded jobs?**

# The Project:

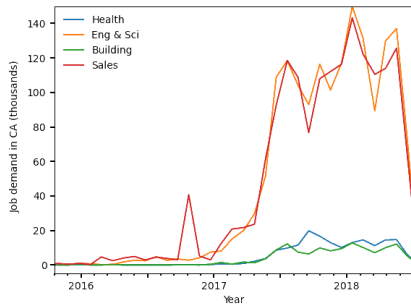
Relation between



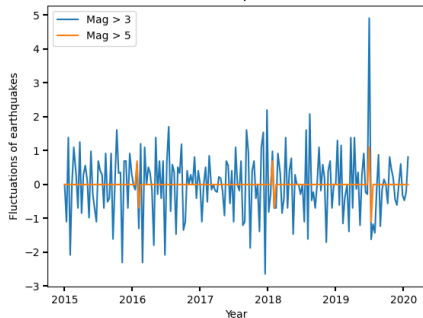
Earthquakes



Jobs

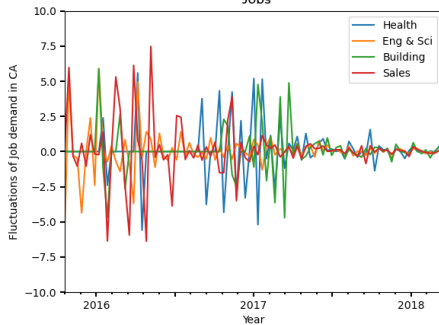


## Earthquakes



Source: United States Geological Survey

## Jobs



Source: Thinknum DataSet [NYSE & Nasdaq]

### Analized:

300M posted Jobs & all seismic events since 2015

\* Cross correlation in time  
and frequency domain

- \* Extend to other natural disaster
- \* Jobs after periods of time
- \* Jobs in regions with good recovery vs bad recovery

## Government & Private:

- Prevent
- Speed up response
- Offer services

**Thanks!**

# Why natural disasters?

List of disasters by cost			
Cost in billions USD	Fatalities	Year	Nation
\$360 <sup>[3]</sup>	15899	2011	 Japan
\$197 <sup>[4]</sup>	5502 – 6434	1995	 Japan
\$148 <sup>[5]</sup>	87587	2008	 China
\$125 <sup>[6]</sup>	1245 – 1836	2005	 United States

List of disasters by cost. (10 May 2020). In Wikipedia. Retrieved from URL