

Welcome



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In the course, we will:



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In the course, we will:

• Source and analyze cities data for real estate analysis



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- Source and analyze cities data for real estate analysis
- Create reproducible working environments



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In the course, we will:

- Source and analyze cities data for real estate analysis
- Create reproducible working environments
- Visualize insight and information



Overview

In this section, we will:



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In this section, we will:

• Define data analytics



Overview

In this section, we will:

- Define data analytics
- Introduce R Studio

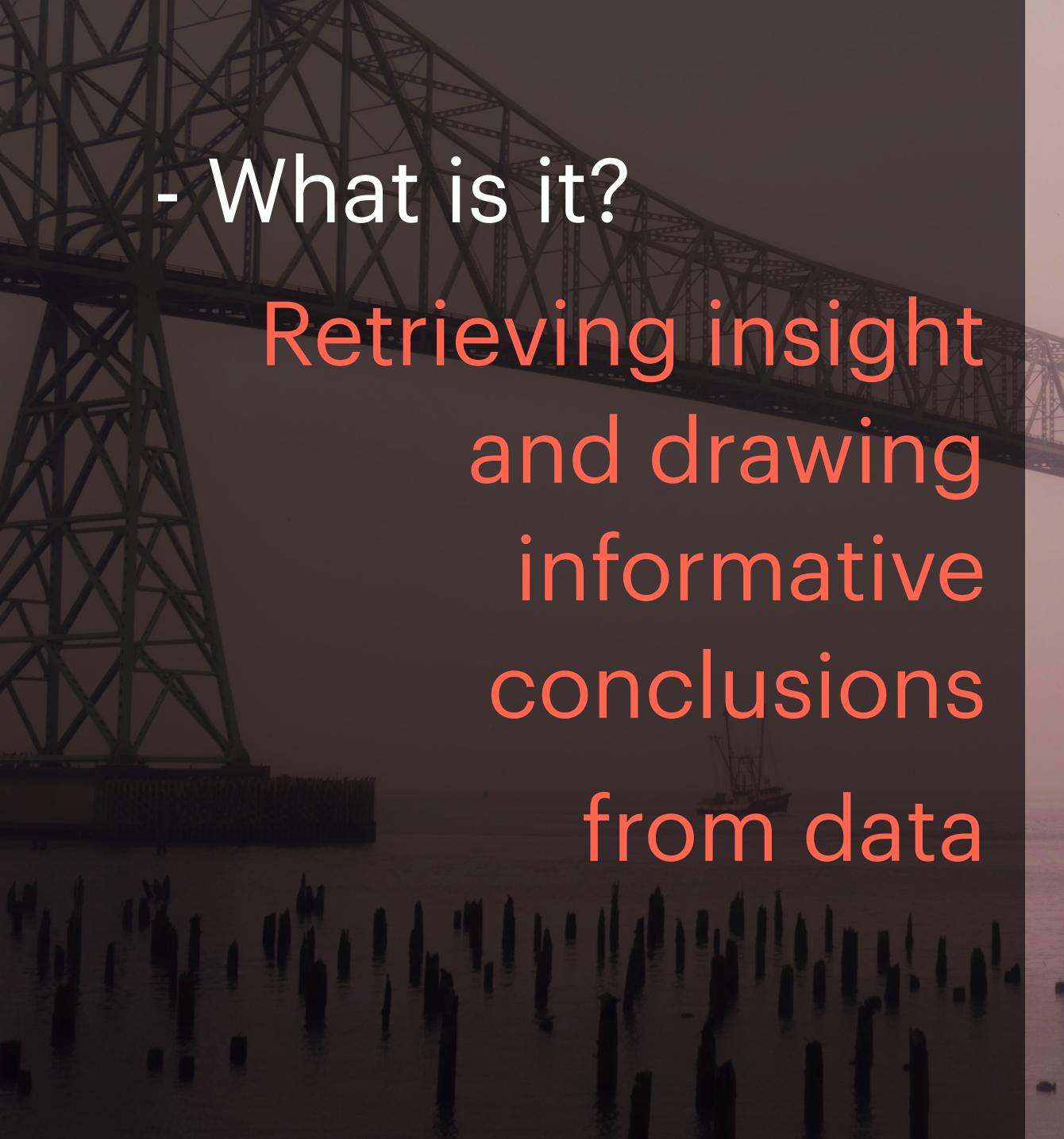






















	GeoFips ‡	GeoName	2007 =	2010 =	2015 =
1	998	United States (Metropolitan Portion)	12821473605	13265807959	16264292775
2	10180	Abilene, TX (Metropolitan Statistical Area)	5406560	5861966	6836185
3	10420	Akron, OH (Metropolitan Statistical Area)	28749370	28922844	34122942
4	10500	Albany, GA (Metropolitan Statistical Area)	5101790	5109457	5434079
5	10540	Albany-Lebanon, OR (Metropolitan Statistical Area)	3643627	3460440	4116193
6	10580	Albany-Schenectady-Troy, NY (Metropolitan Statistical	42731610	47044326	54546375
7	10740	Albuquerque, NM (Metropolitan Statistical Area)	35108392	36388647	39419488
8	10780	Alexandria, LA (Metropolitan Statistical Area)	4636424	5369983	5862965
9	10900	Allentown-Bethlehem-Easton, PA-NJ (Metropolitan Sta	33647001	35746169	41542046
10	11020	Altoona, PA (Metropolitan Statistical Area)	4643209	4962165	5547413
11	11100	Amarillo, TX (Metropolitan Statistical Area)	9788225	10722023	12784064

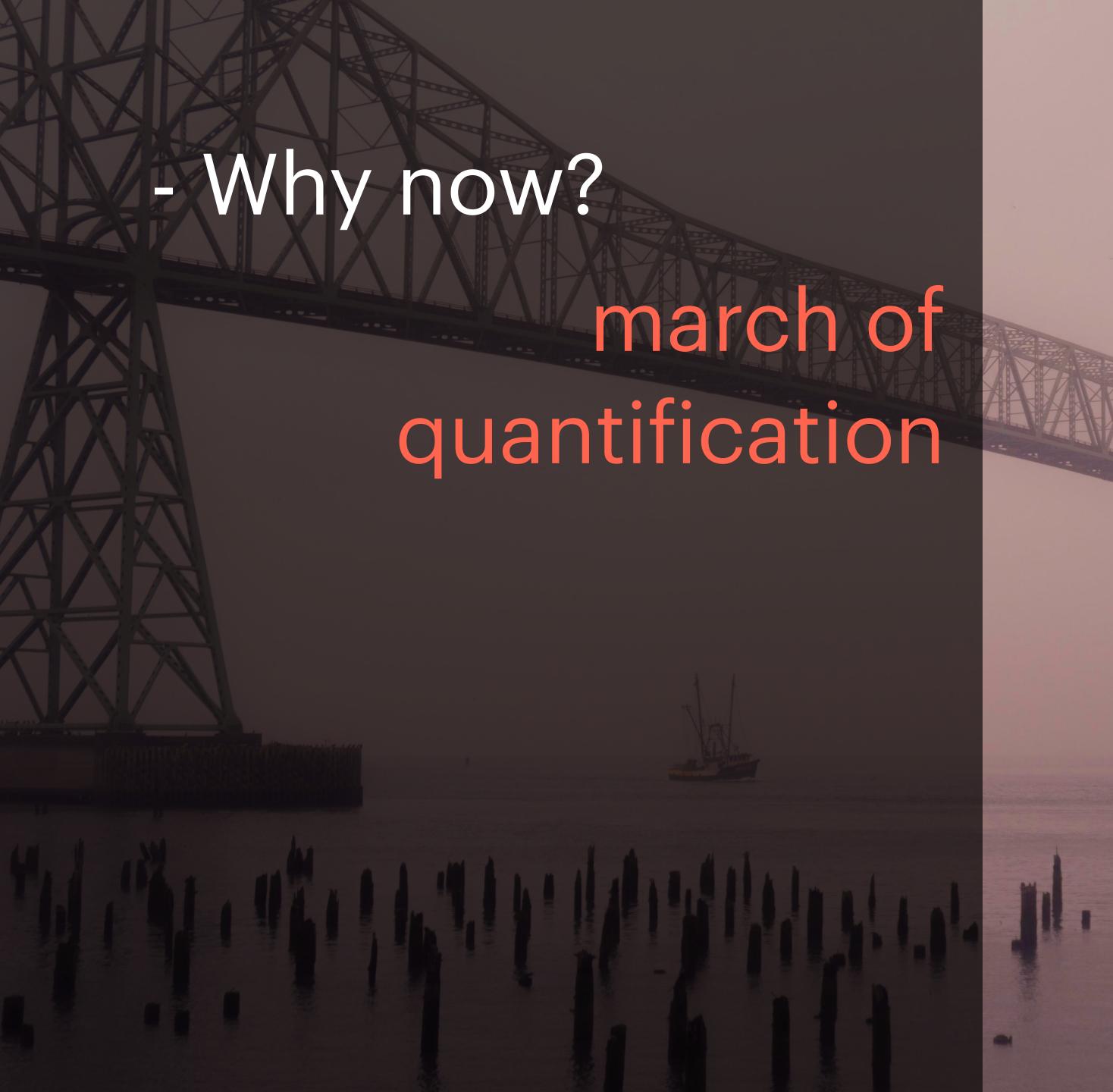
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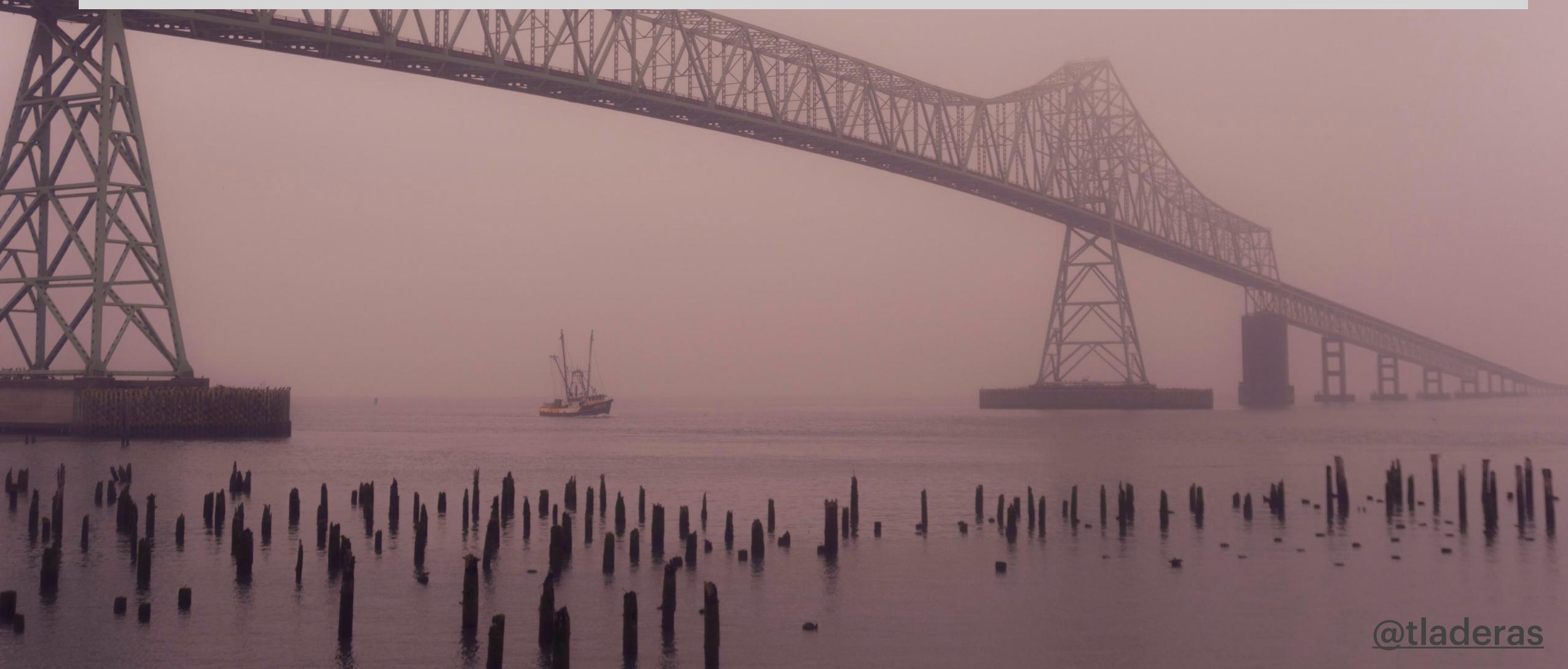


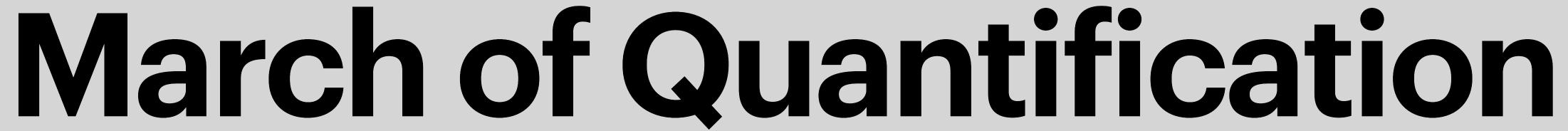


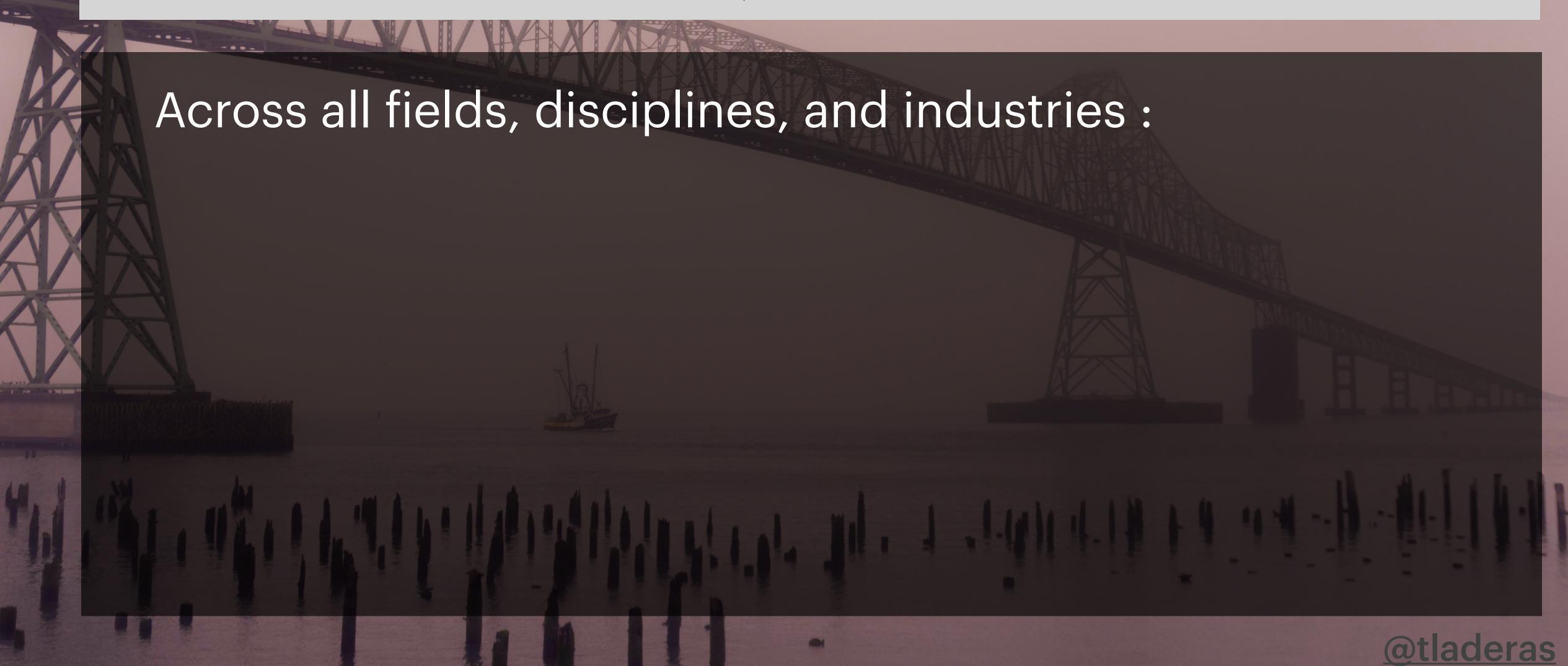
Analytics



March of Quantification









Across all fields, disciplines, and industries:

Data more accessible via Internet & APIs



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- Data more accessible via Internet & APIs
- Methodologies more sophisticated & idiosyncratic



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- Software more advanced (e.g., R, Python, Stata)

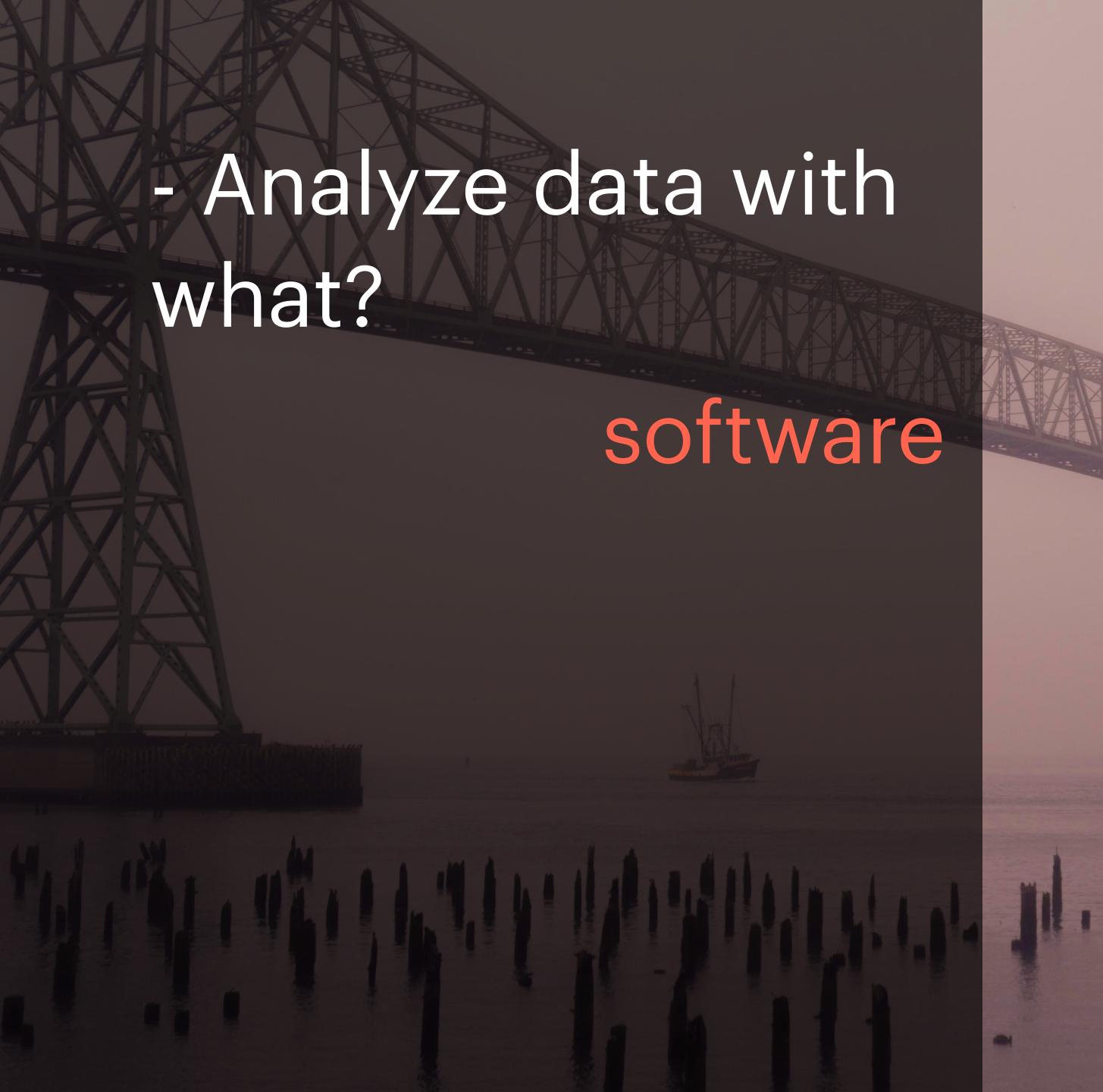
March of Quantification

Across all fields, disciplines, and industries:

- Data more accessible via Internet & APIs
- Methodologies more sophisticated & idiosyncratic
- Software more advanced (e.g., R, Python, Stata)
- Still need to uncover more







Analytics





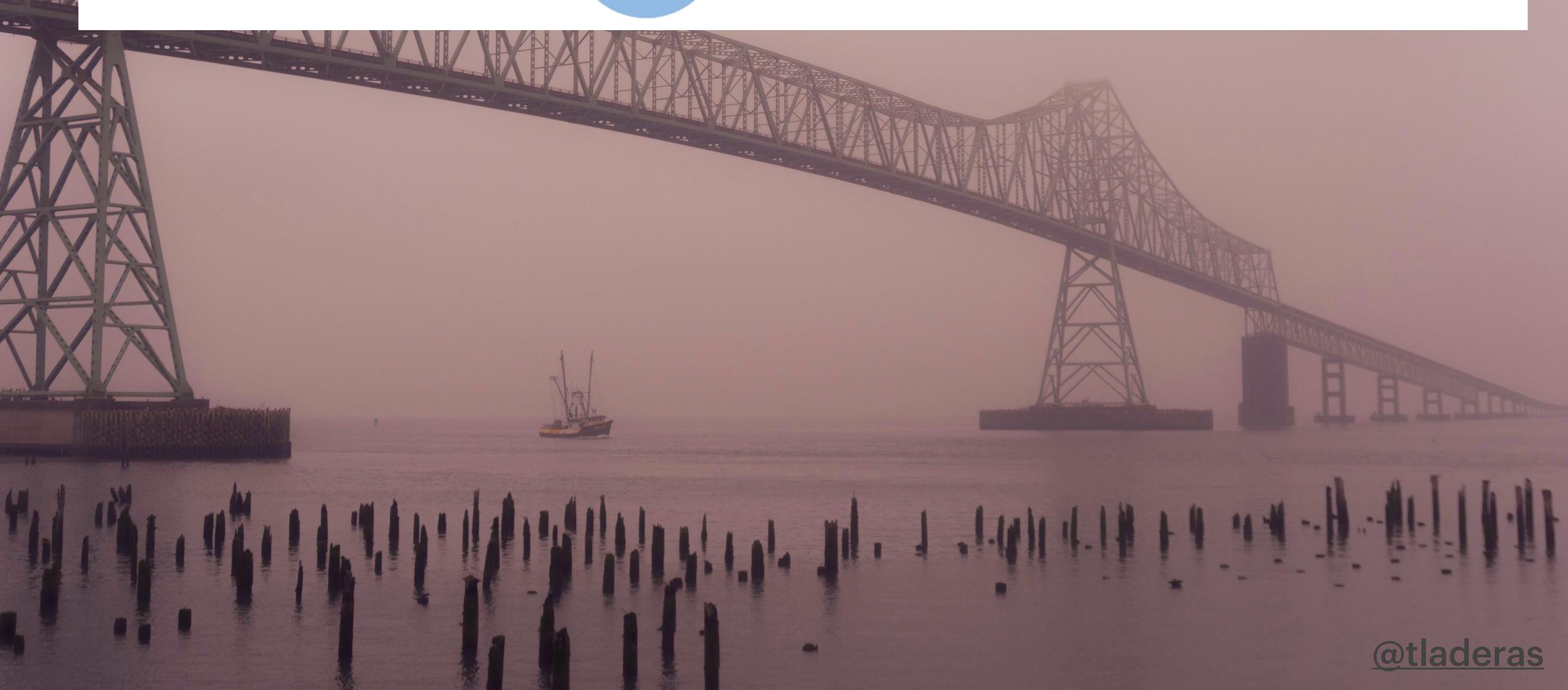




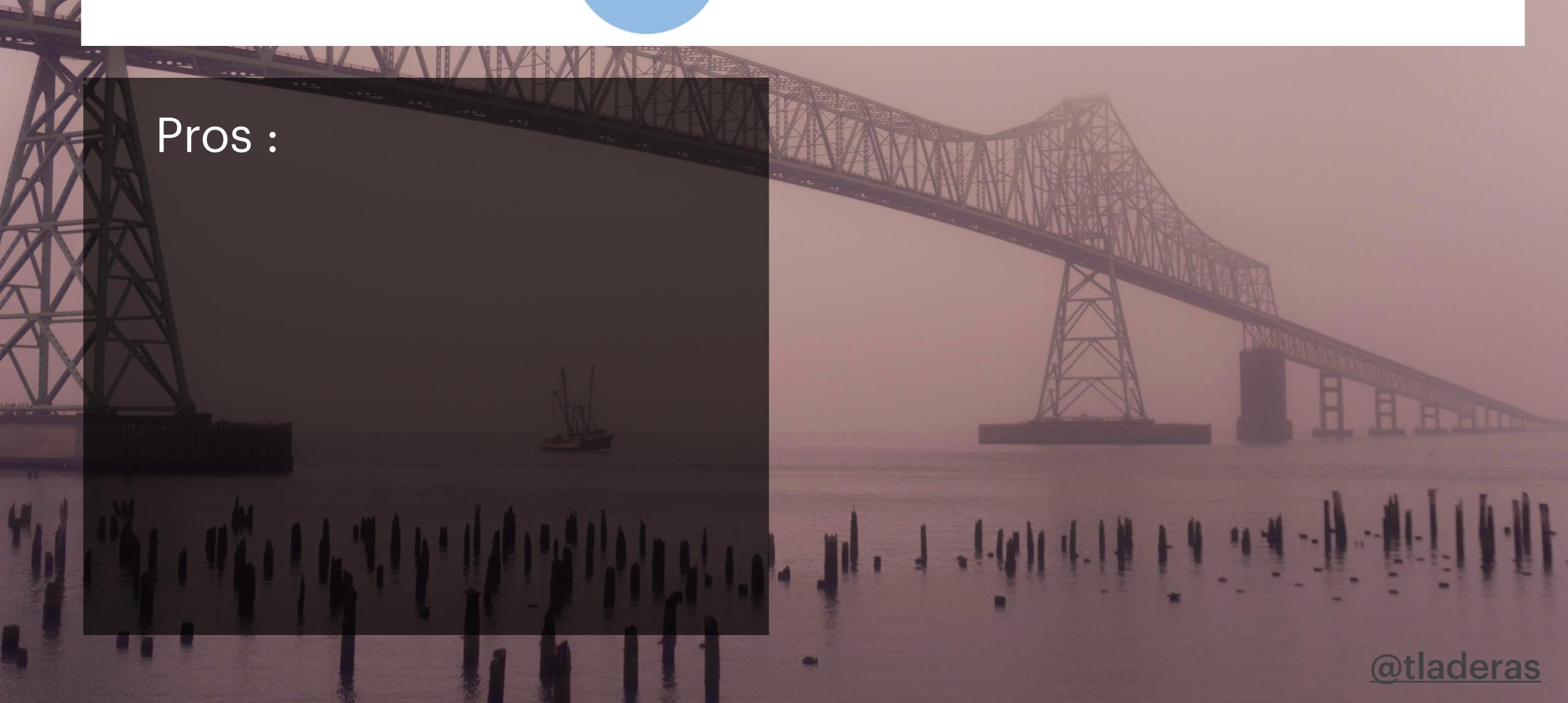




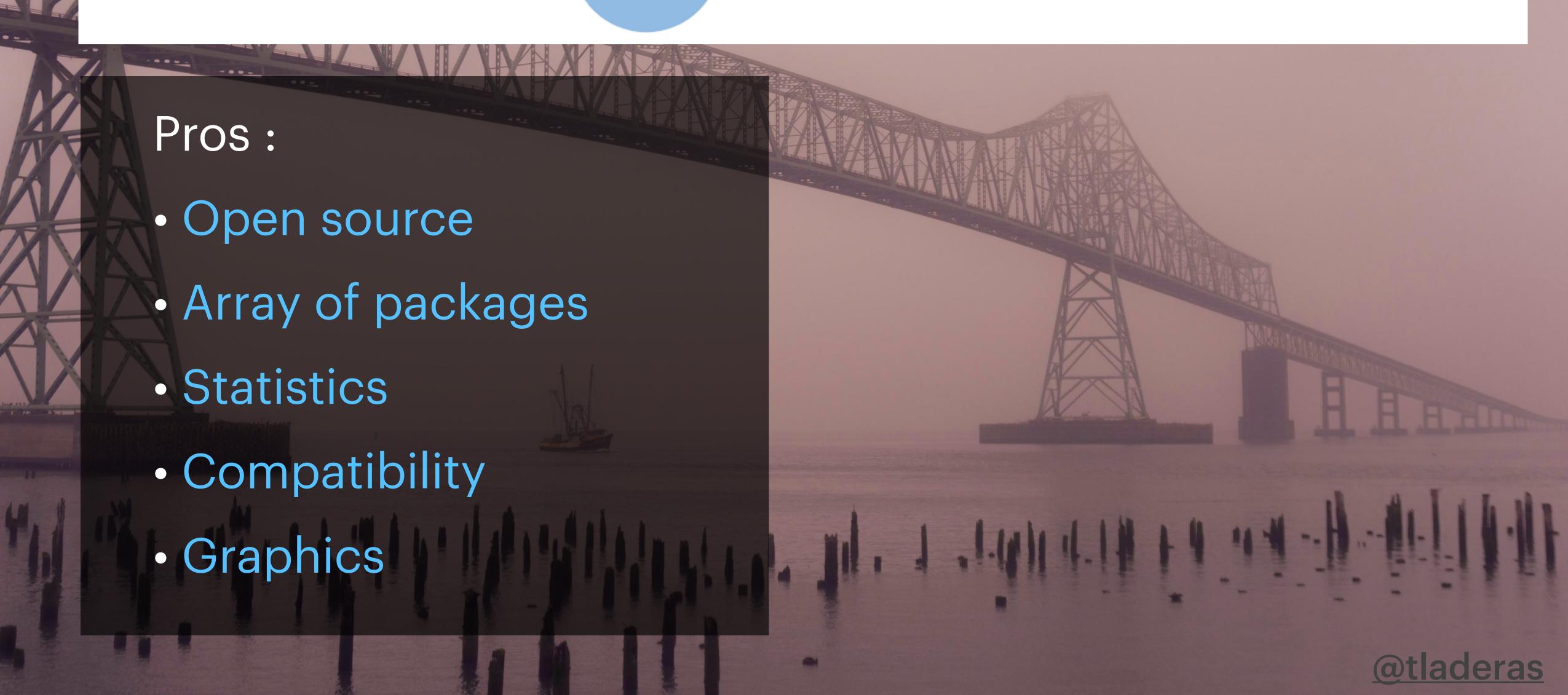














Cons: Pros: Open source Array of packages Statistics Compatibility Graphics



Pros:

- Open source
- Array of packages
- Statistics
- Compatibility
- Graphics

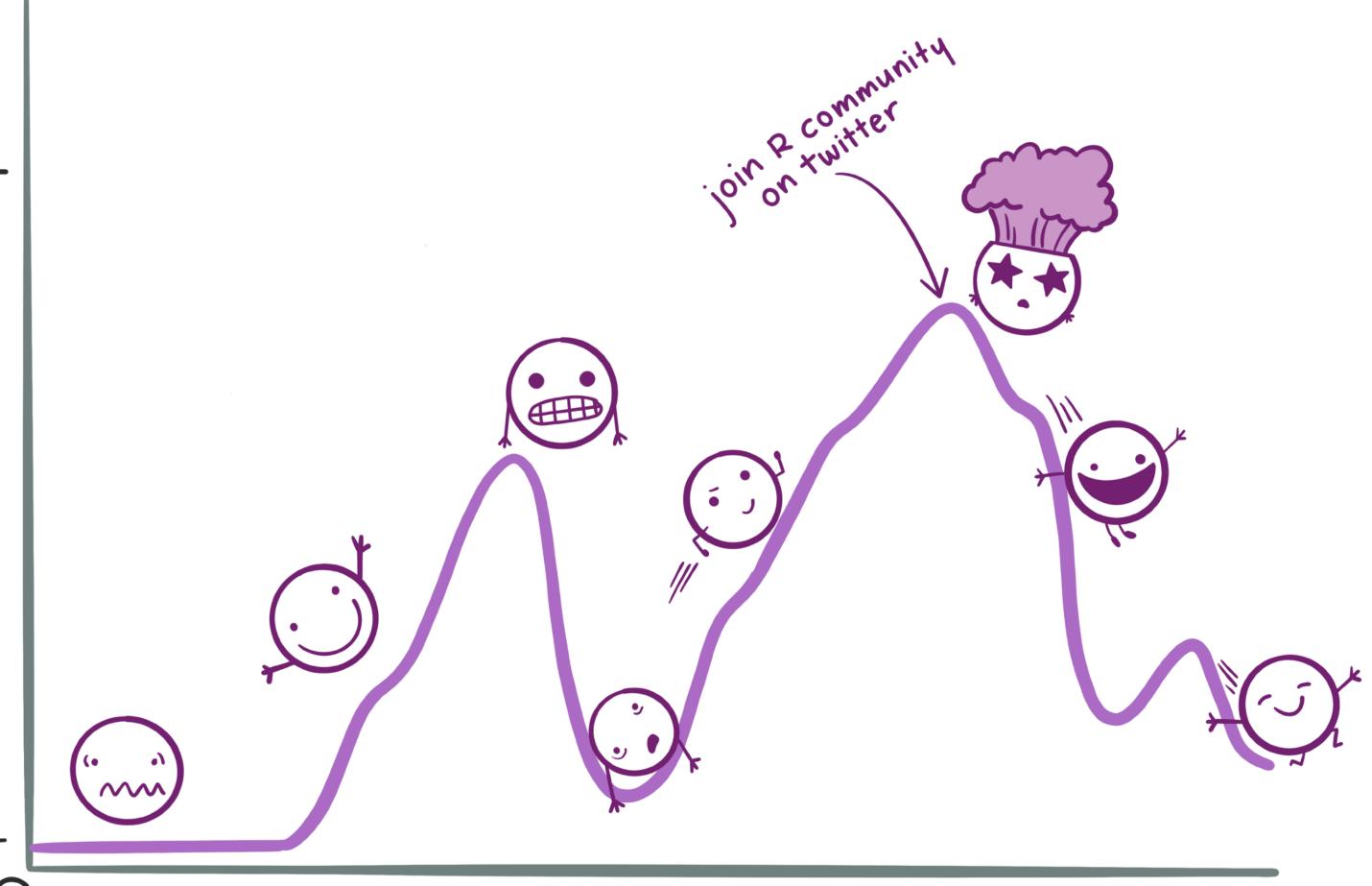
Cons:

- Memory
- Array of packages
- Security
- Learning curve

I KNOW_ LOTS!

HOW MUCH I KNOW ABOUT R

> I KNOW_ NOTHING



TIME

@allison_horst

