Week 8: Pandas, Seaborn and More

Fall 2017

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Broadcasting

go.ischool.illinois.edu/meet2

Warm-Up Activity

1. What is the visualization trying to show?
2. What are its methods?
3. What are the strengths / weaknesses?
4. (Bonus) How was the data collected?

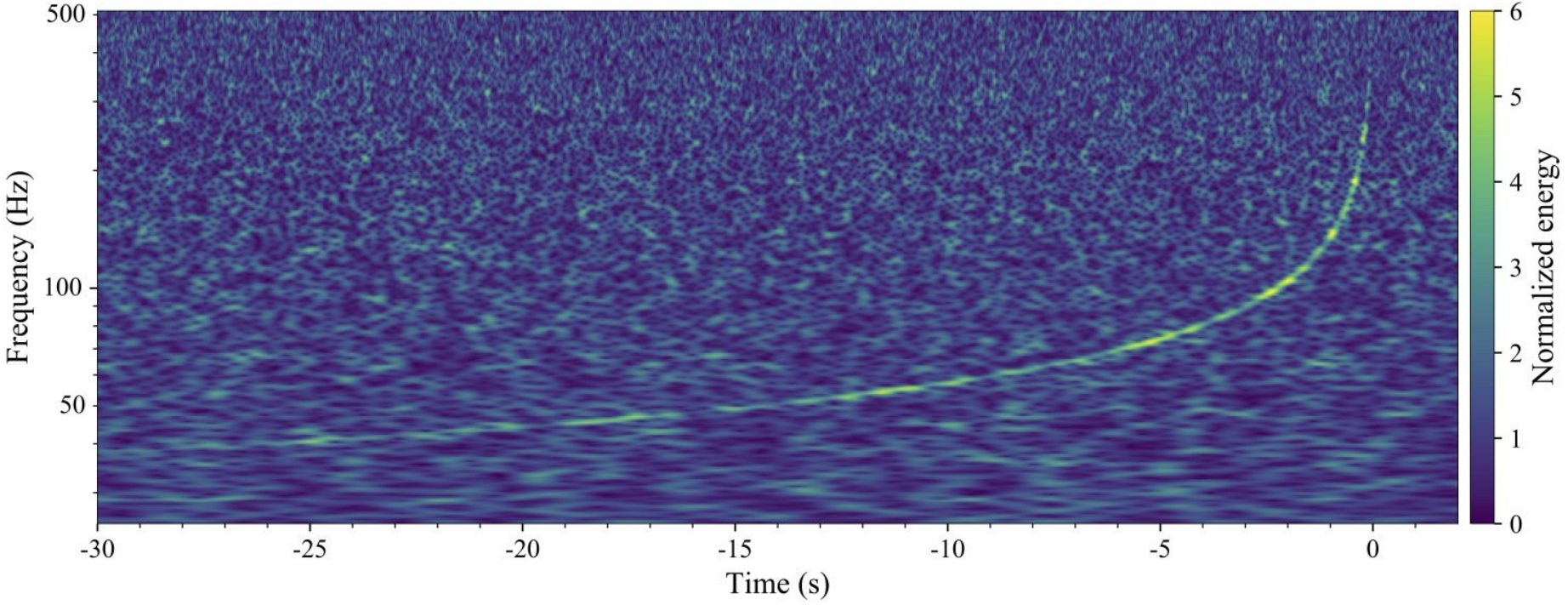

Image: LIGO
More: https://gizmodo.com/observatories-across-the-world-announce-groundbreaking-1819500578
and https://gizmodo.com/let-s-break-down-what-that-monumental-neutron-star-coll-1819613829

Pandas: What We Covered

- Loading data
- Basics of indexing:
  - By Row
  - By Labeled Column
  - By datetime
- Basics of Group By
- Aggregation with built-ins

Today: What We Will Learn

- Pandas
  - Groupby things that don't really exist yet
  - Periodic dates and times
- More advanced matplotlib
  - Exploring parameters with interaction
  - Projections such as polar
  - Alpha and annotations
  - Fill-between
  - Stacking bars
  - Transformations
- Seaborn
  - Univariate
  - Bivariate