

Probability and Random Processes

EES 315

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2 Review of Set Theory



Office Hours:

Check Google Calendar on the course website.

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Hmmm...

When someone at Reuters designed this, they probably didn't expect that it would be interpreted as a Venn diagram.

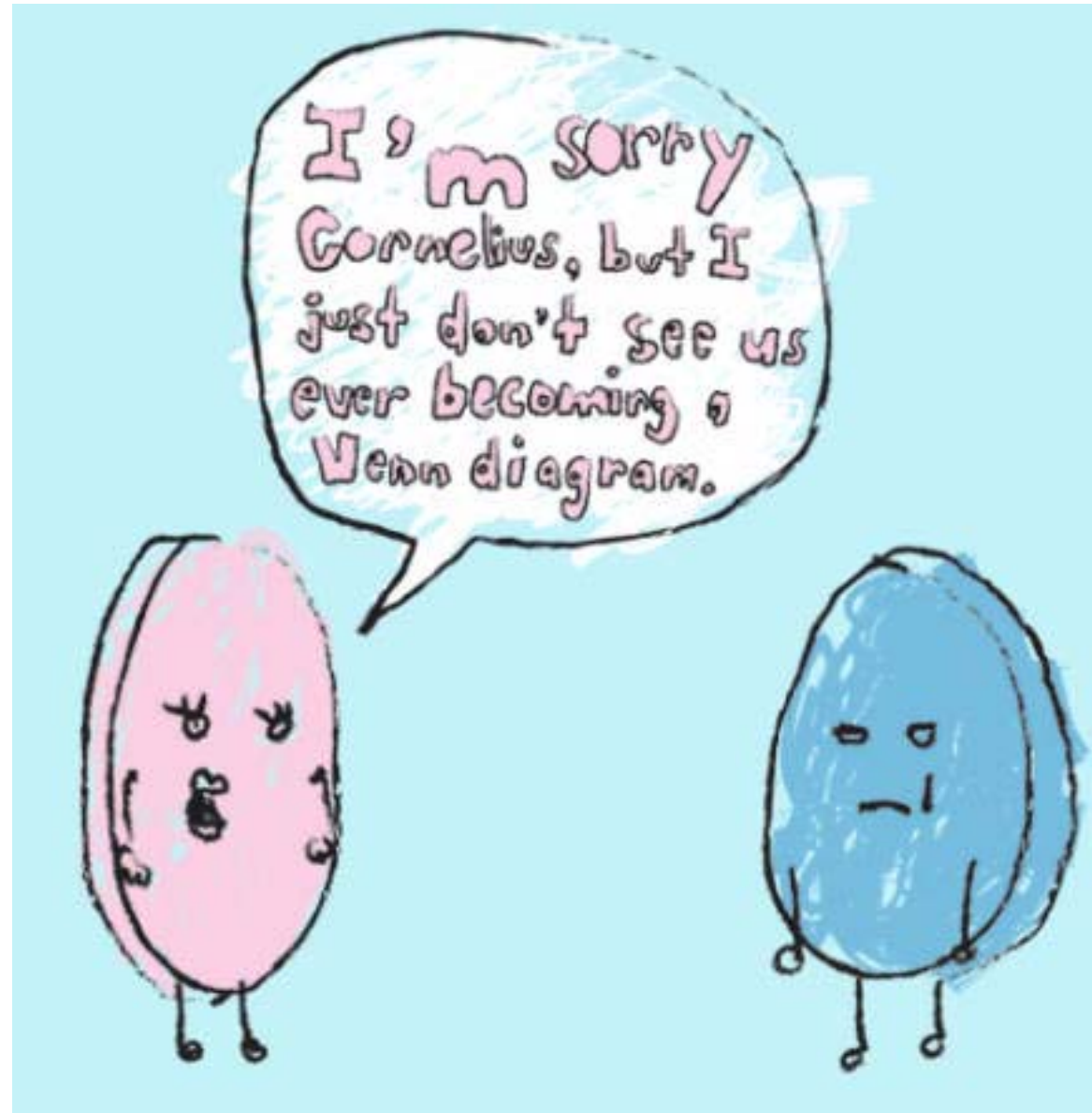


Just what are its values?

[<http://gizmodo.com/when-someone-at-reuters-designed-this-they-probably-di-1624314532>]



Breaking Up via Venn Diagram



Font styles used in the lecture notes

- **Calligraphy** (calligraphic font)

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

- **Blackboard bold**

- Certain lines of the symbol (usually vertical or near-vertical lines) are doubled.
- Originated from the attempt to write bold letters on blackboards in a way that clearly differentiated them from non-bold letters.

A B C D E F G H I J K L M

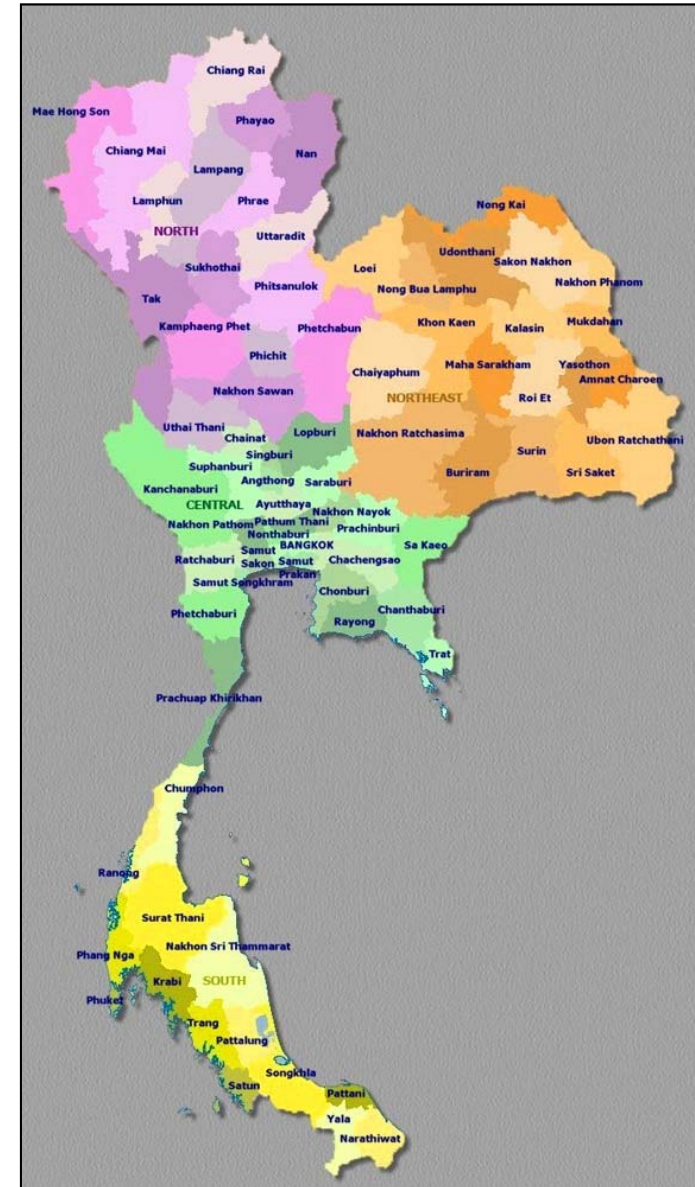
N O P Q R S T U V W X Y Z

https://en.wikipedia.org/wiki/Blackboard_bold

<https://proofwiki.org/wiki/Symbols:%5Cmathcal>

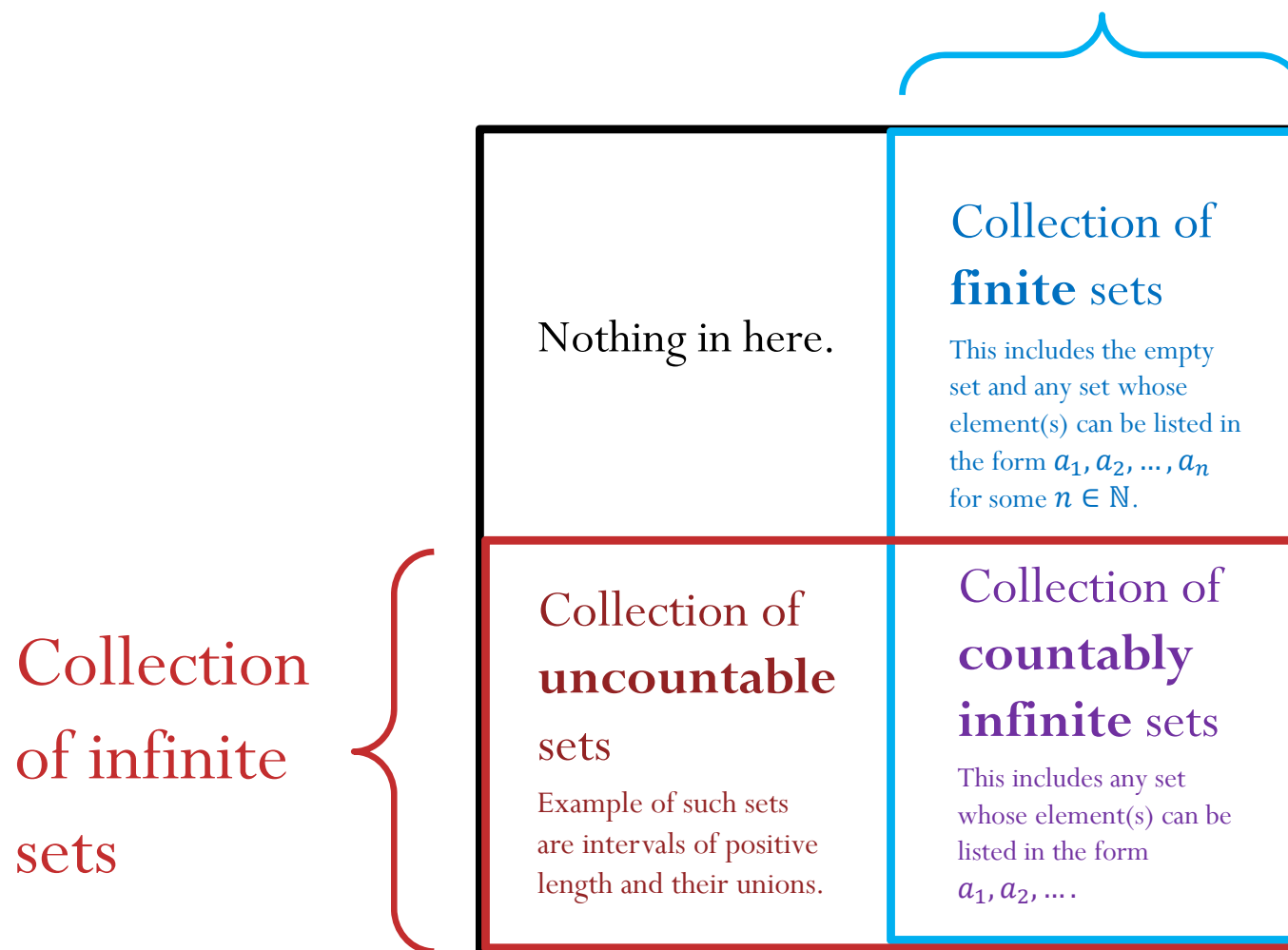


Partitions



Infinite Sets and Countable Sets

Collection of countable sets



Infinite Sets and Countable Sets

Collection of countable sets

Collection
of infinite
sets

