

Measure

The goal of the presentation is to discuss the measures on the real numbers.

Some good starting points are the articles

- http://en.wikipedia.org/wiki/Measure_%28mathematics%29
- http://en.wikipedia.org/wiki/Lebesgue_measure

Your presentation should include a discussion of

- What a measure is.
- What Lebesgue measure is.
- The inner and outer measure functions.
- Non-measurable sets. What they are and how they can arise (but can't be described)

You should also feel free to expand on the above in any directions you would like (so long as they are related to the topic and not directly covered in class).

If you have any questions regarding the presentation feel free to e-mail your TA or Dr. Ackerman