

## Last Week

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1. Found the Normal approximation to the Wilcoxon test
2. Redid MSE and BIC plots and found the new optimal basis
3. Created the horizontal comparisons
4. Started compiling results into a latex document
5. Read the following Riemannian papers but my understanding is still a bit shaky
  1. CSDA\_fdaTB\_final
  2. CSDA\_PCA\_12
  3. Rosenthal

## This Week

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1. Try to figure out if the Wilcoxon sign rank test is the way to go or not.
  1. Meet with Naveen?
  2. Alternatively use or adapt a Kolmogorov-Smirnov like test
2. Analyze and create plots and for vertical comparisons
  1. Number of prior spatial fields outside the posterior X% central region? Or vice versa
  2. Extremal depths over time
  3. What makes this section different from horizontal comparisons? Interpretation?
3. Re-read Riemannian papers
  1. CSDA\_fdaTB\_final —> CSDA\_PCA\_12 —> Rosenthal
  2. Start reading the others