# Phase Variability in Functional Data

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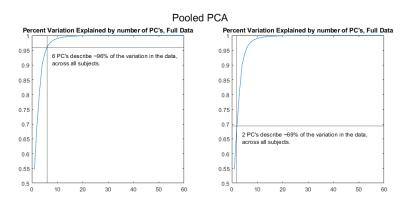


Figure: Percent variation explained by number of PC, PC's calculated across all fibers for all subjects, for a single region (Cingulum Parahippocampal L)

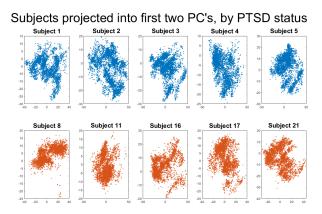


Figure: Each point represents 1 fiber, in PC coordinates, each plot contains all fibers in the Cingulum Parahippocampal for 1 subject. Top row non-PTSD, bottom row PTSD

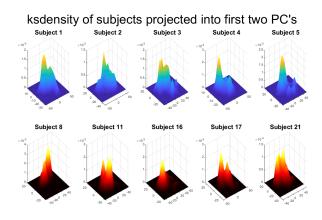


Figure: Top row non-PTSD, bottom row PTSD

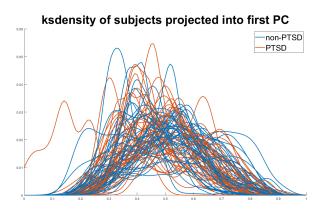


Figure: ksdensities of data projected into 1 PC

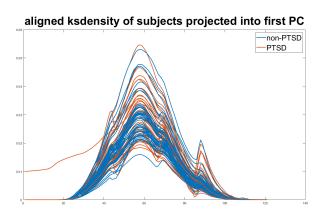


Figure: Multiple alignment of ksdensities of data projected into 1 PC