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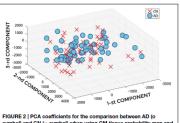


FIGURE 2 | PCA coefficients for the comparison between AD (o symbol) and CN (x symbol) when using GM tissue probability map and an isotropic Gaussian kernel with 10 mm³ FWHM for smoothing. 1st, 2nd, and 3rd components are shown.

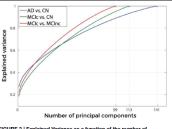


FIGURE 3 | Explained Variance as a function of the number of considered Principal Components, when using GM tissue probability map and no smoothing, for the following comparisons: AD vs. CN, MCIe vs. CN, MCIe vs. MCInc.

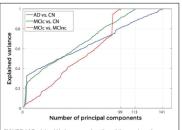


FIGURE 4 | Explained Variance as a function of the number of considered principal components sorted in accordance to their FDR, when using GM tissue probability map and no smoothing, for the following comparisons: AD vs. CN, MClo vs. CN, MClo vs. MClnc.

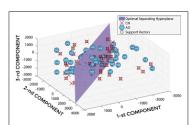
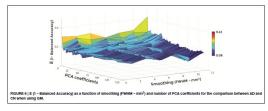
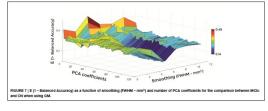
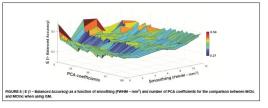


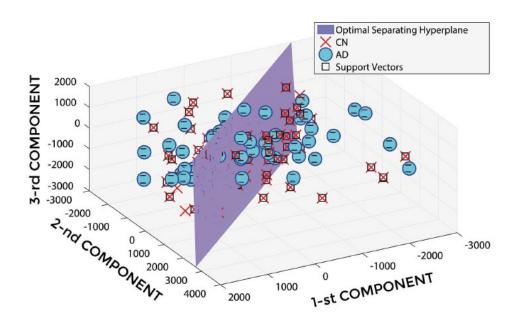
FIGURE 5 I Hyper-plane plane separating AD (o symbol) from CN (x symbol) PCA coefficients (3 PCA coefficients), and defined Support Vectors (□ symbol), when using GM tissue probability map and an isotropic Gaussian kernel with 10 mm³ FWHM for smoothing, 1st, 2nd, and 3rd components are shown.



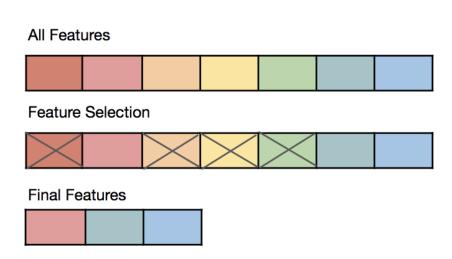




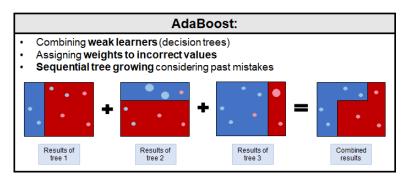
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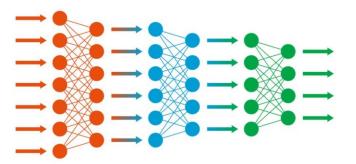


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Requirements

- Basic skills of coding
- Updates @ https://christiansalvatore.github.io/elements-of-machinelearning



