Main topics

- Machine learning and the «data life cycle»
- Validation and classification metrics
- Feature extraction
- Feature selection
- ML classifiers

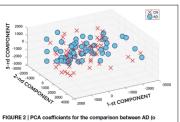


FIGURE 2 | PCA coefficients for the comparison between AD (o symbol) and CN (x symbol) when using GM tissue probability map and an isotropic Gaussian kernel with 10 mm³ FWHM for smoothing. 1st, 2nd, and 3rd components are shown.

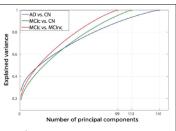


FIGURE 3 | Explained Variance as a function of the number of considered Principal Components, when using GM tissue probability map and no smoothing, for the following comparisons: AD vs. CN, MCIe vs. CN, MCIe vs. MCInc.

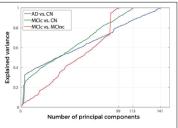


FIGURE 4 | Explained Variance as a function of the number of considered principal components sorted in accordance to their FDR, when using GM tissue probability map and no smoothing, for the following comparisons: AD vs. CN, MClo vs. CN, MClo c.

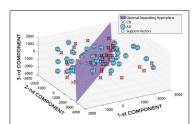
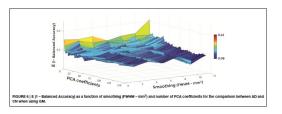
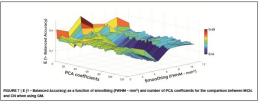
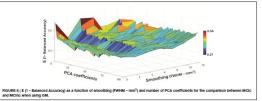


FIGURE 5 | Hyper-plane plane separating AD (e symbol) from CN (x symbol) PCA coefficients (3 PCA coefficients), and defined Support Vectors (\square symbol), when using GM tissue probability map and an isotropic Gaussian kernel with 10 mm³ FWHM for smoothing. 1st, 2nd, and 3nd components are shown.

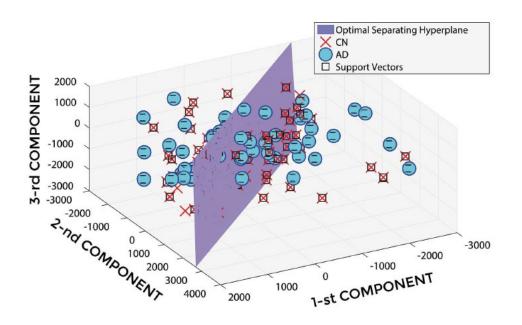






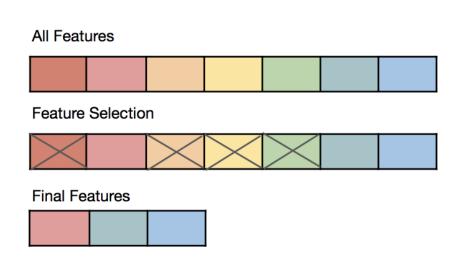
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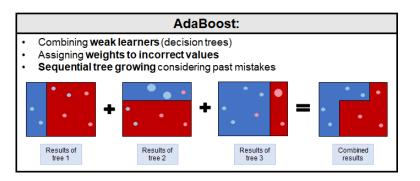
Main topics

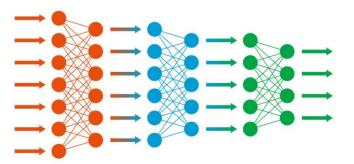
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Main topics

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Requirements

- No specific requirement
- Updates @ [TBD]



