

A Appendix

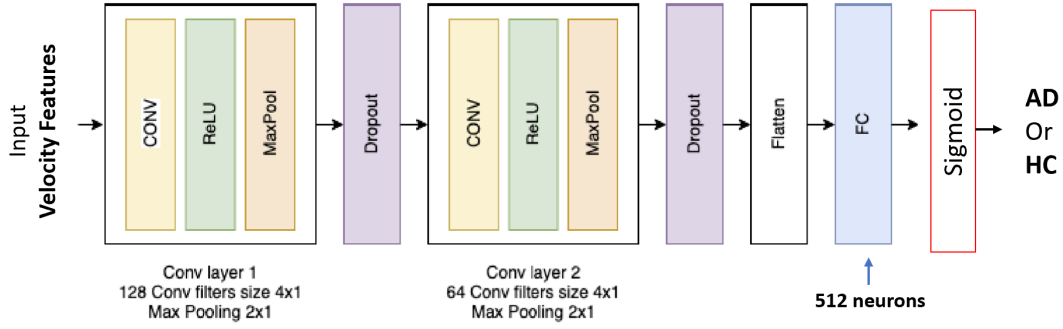


Fig. 1: Model architecture [16]

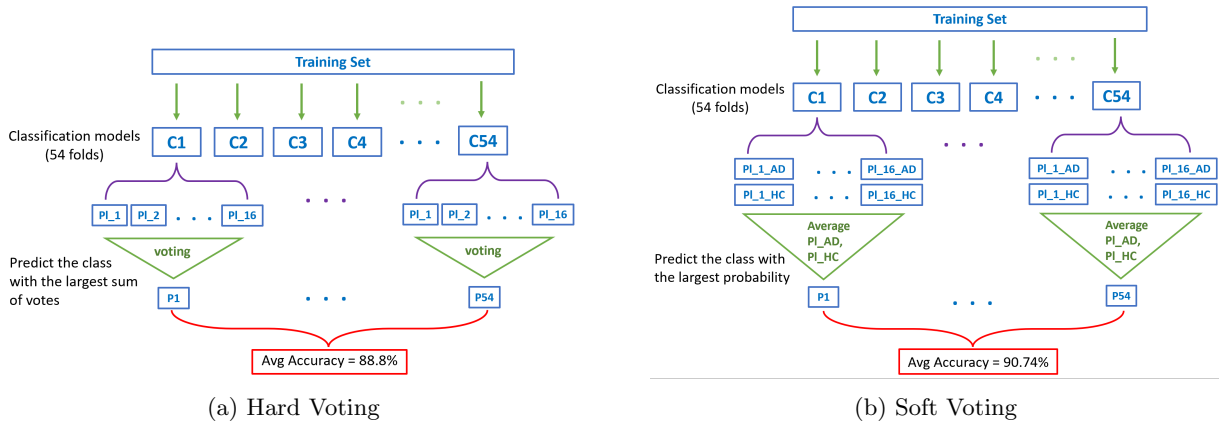
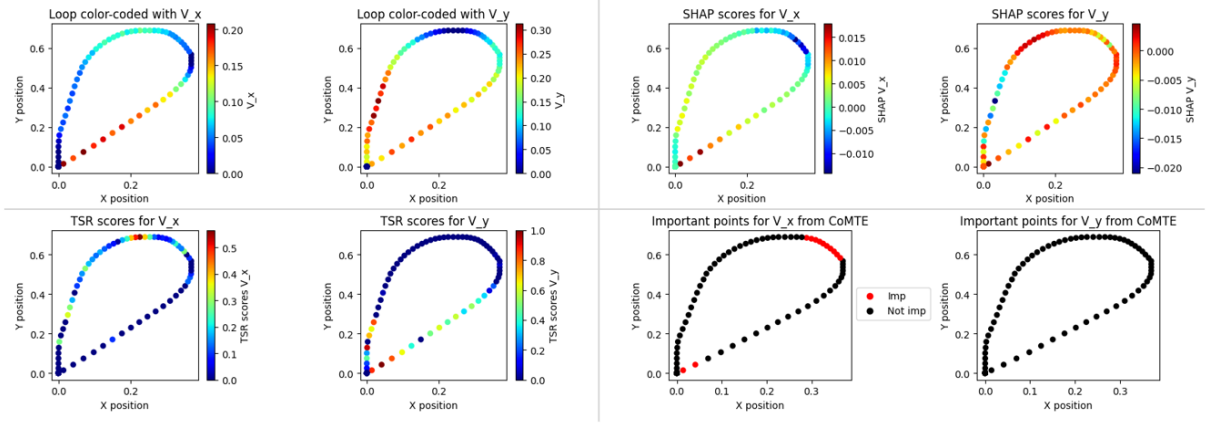
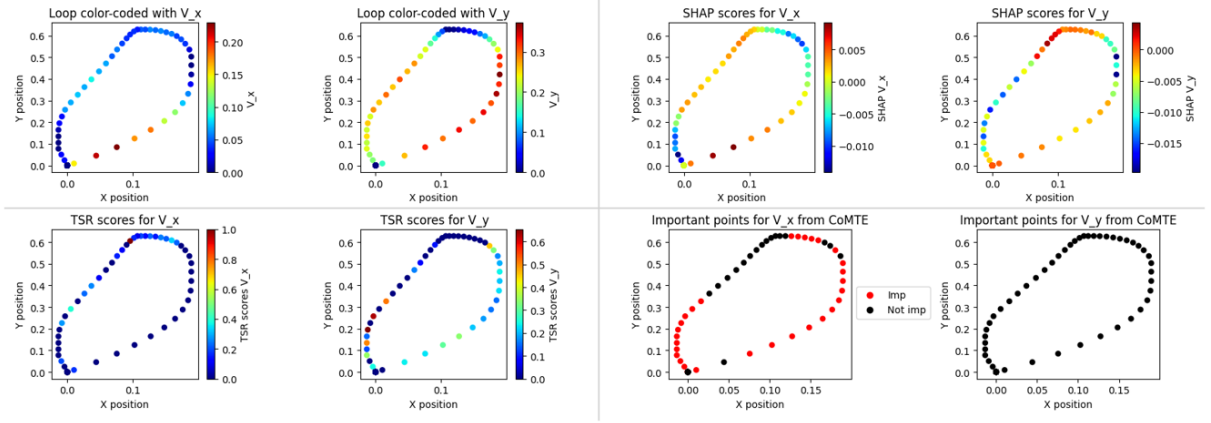


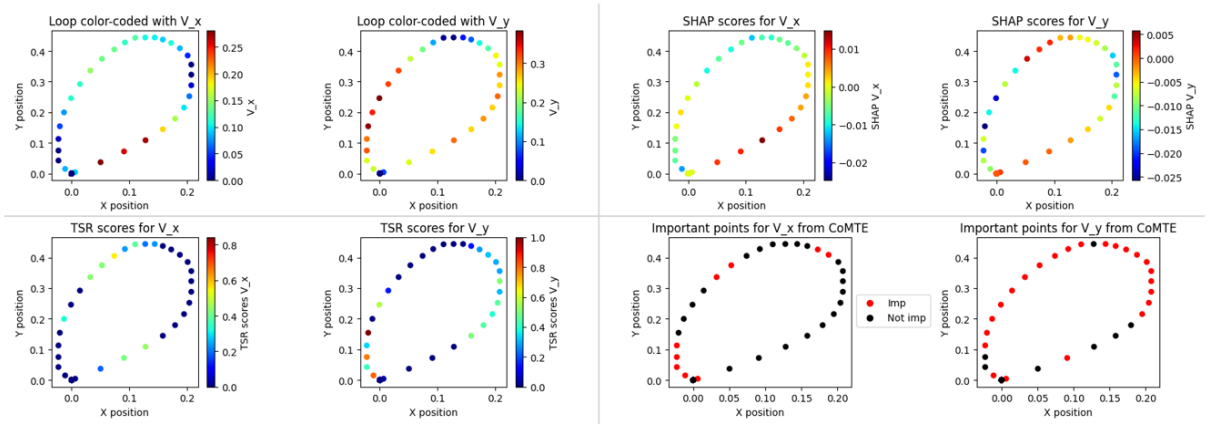
Fig. 2: Voting methods: (a) Majority voting (hard voting) methodology. PI_i refers to the prediction of loop i . (b) Soft Voting methodology. PI_{i_AD} refers to the probability of loop i belonging to the AD class, and PI_{i_HC} refers to the probability of loop i belonging to the HC class (which is $1 - PI_{i_AD}$ in our case).



(a) Healthy subject

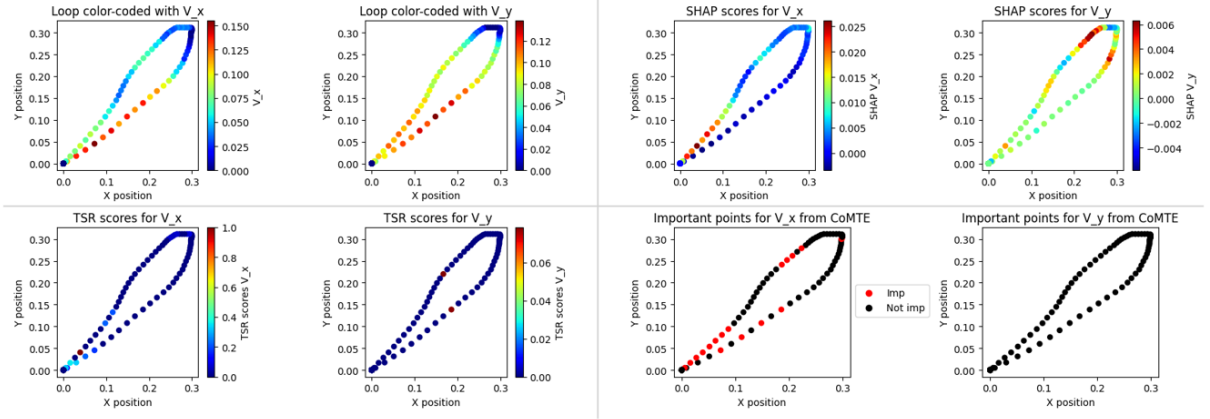


(b) Healthy subject

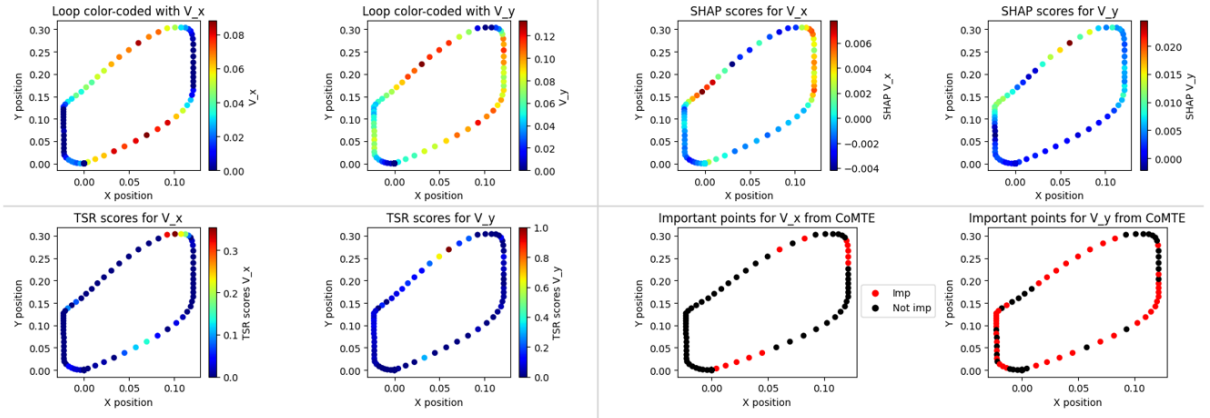


(c) Healthy subject

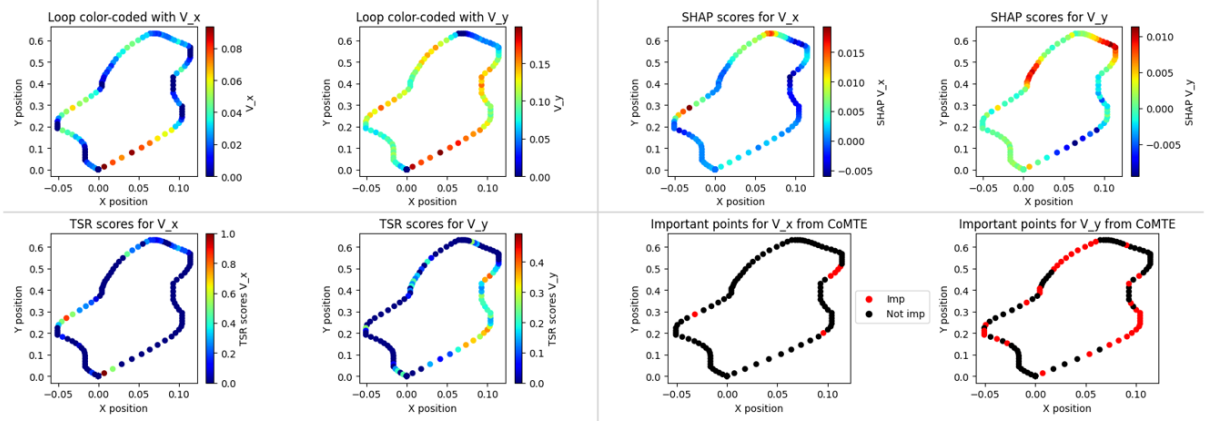
Fig. 3: Local explanations for loops belonging to different healthy subjects.



(a) Alzheimer's patient



(b) Alzheimer's patient



(c) Alzheimer's patient

Fig. 4: Local explanations for loops belonging to different Alzheimer's patients.