

**a**

Determine optimal  
pre-processing and  
class balancing  
method

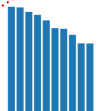
Neural Architecture  
Search

Best model  
evaluation

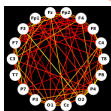
Classification  
performance

Performance in  
seizure prediction

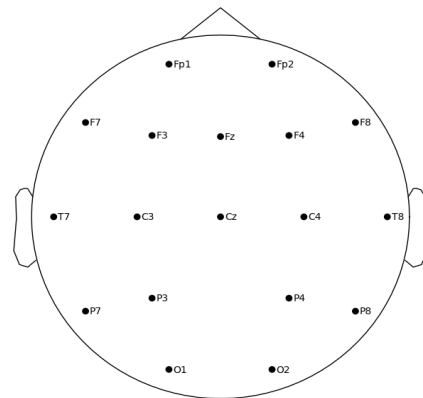
Explainability



Feature importance



Attention-based  
connectivity

**b****c**

Raw signal

Reconstructed,  
filtered signal

Unification of electrode  
montage

Filtering  
Low-pass: 0.5 Hz  
High-pass: 30 Hz

Average re-reference

PCA & removal of first  
two components

Signal reconstruction