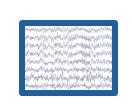**(A) Sample-based K-Fold Cross Validation**
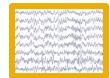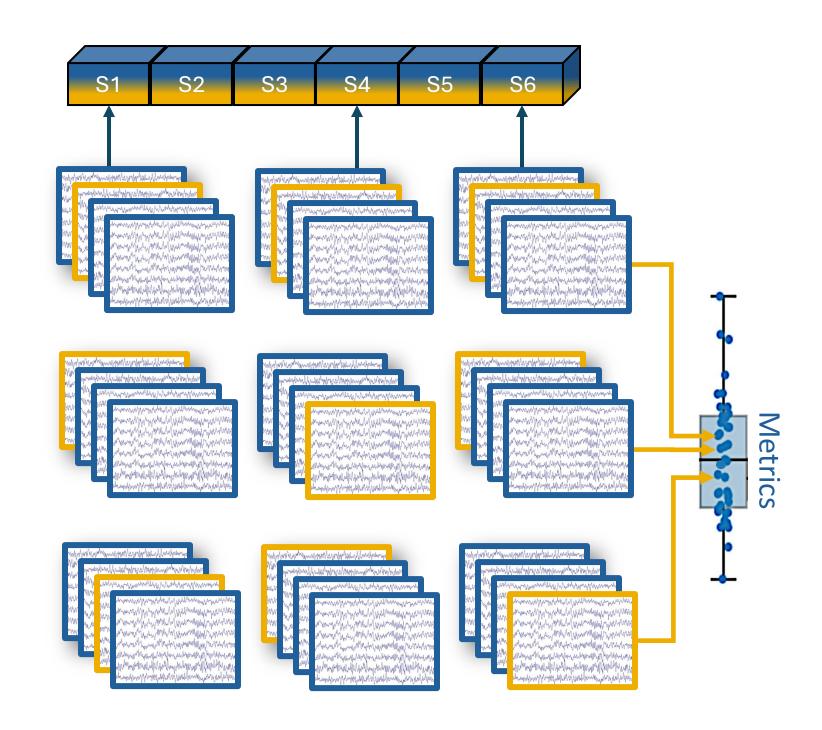
Train sample fold
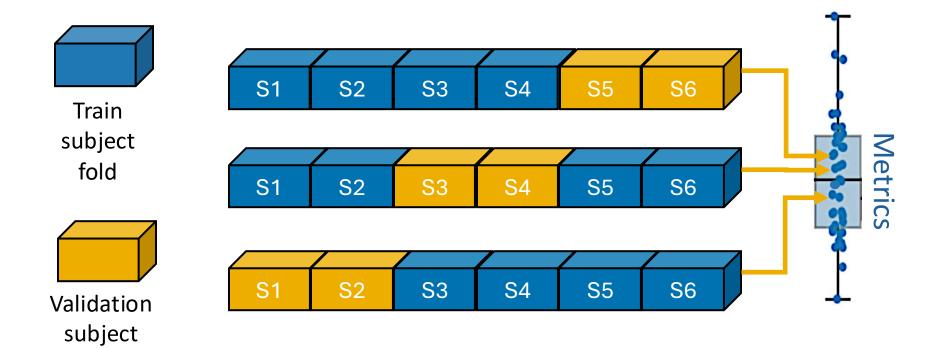
Validation sample fold

Metrics

(B) Leave-N-Subject-Out Cross Validation

Train subject fold

Validation subject fold

S1 S2 S3 S4 S5 S6

S1 S2 S3 S4 S5 S6

S1 S2 S3 S4 S5 S6

Metrics

(C) Nested-Leave-N-Subject-Out Cross Validation

Outer Folds

Inner Folds

S1 S2 S3 S4 S5 S6

S1 S2 S3 S4 S5 S6

S1 S2 S3 S4 S5 S6

Metrics

windows

4 [s]

Test subject outer fold

Train + Val subject outer fold

Train subject inner fold

Validation subject inner fold