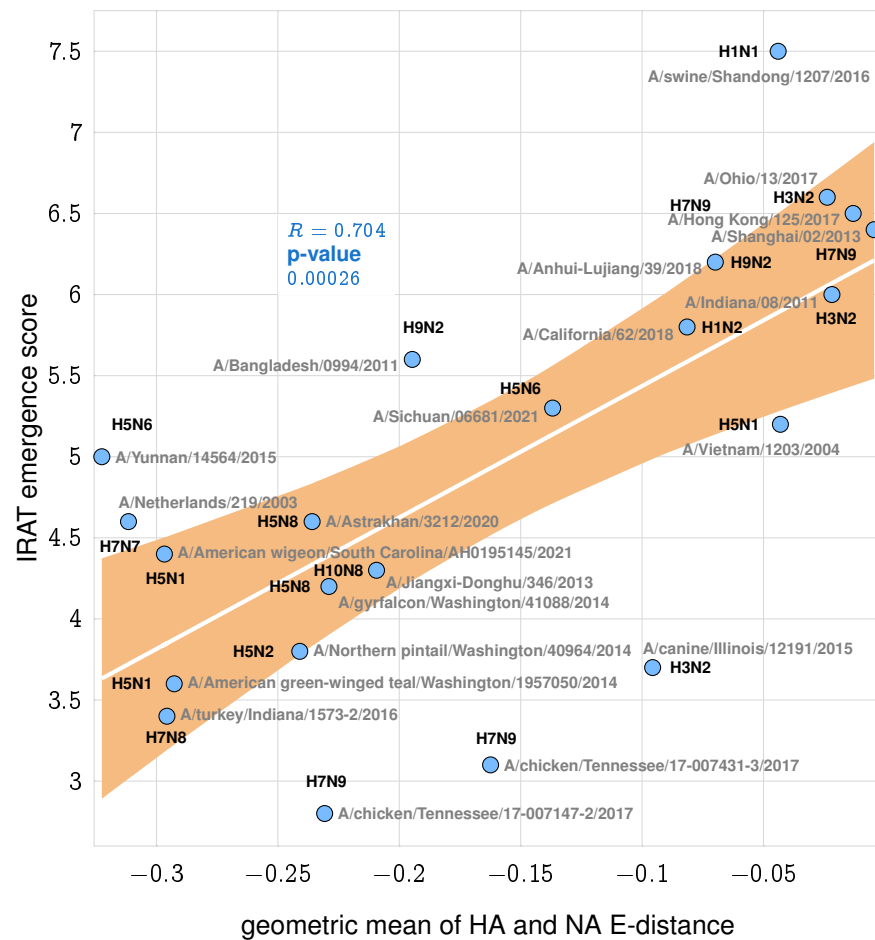
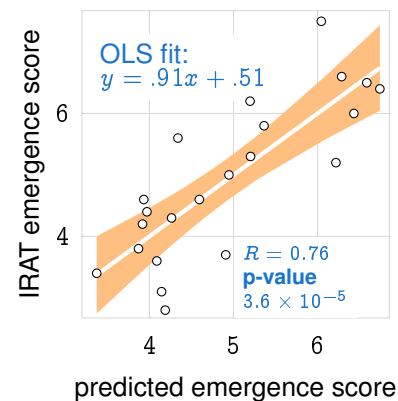


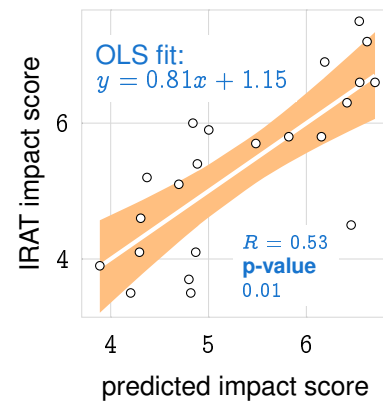
**a. Predicted emergence risk vs published IRAT scores**



**b. Estimating emergence**



**c. Estimating impact**



**d. Global prediction of IRAT scored for all Influenza A sequences collected since 2020**

