ORIGINAL RESEARCH ARTICLE

Bond strength between receptor binding domain of spike protein and human angiotensin converting enzyme-2 using machine learning

Abdulmateen Adebiyi¹, Puja Adhikari², Praveen Rao¹, Wai-Yim Ching^{2*}

¹Department of Electrical Engineering and Computer Science, University of Missouri-Columbia, Columbia, MO 65212, USA.

²Department of Physics and Astronomy, University of Missouri-Kansas City, Kansas City, MO 64110, USA.

*Correspondence to: Wai-Yim Ching, Department of Physics and Astronomy, University of Missouri-Kansas City, Kansas City, MO 64110, USA; E-mail: chingw@umkc.edu; ORCID ID: 0000-0001-7738-8822.

Received: April 16th, 2024; Accepted: June7th, 2024; Published Online: June 13rd, 2024.

How to cite: Adebiyi A., Adhikari P., Rao P. and Ching W.Y. Bond strength between receptor binding domain of spike protein and human angiotensin converting enzyme-2 using machine learning. *BME Horizon*, 2024; vol2(1). DOI: https://doi.org/10.37155/2972-449X-vol2(1)-110.

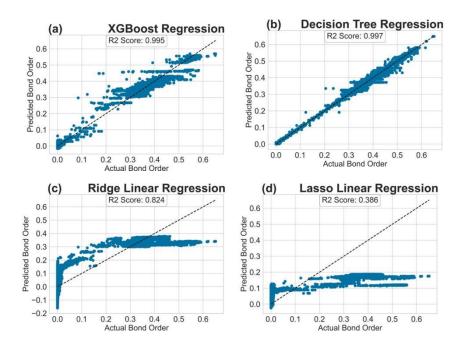


Figure S1: R2 plot for the tested regression models in Setting (C).

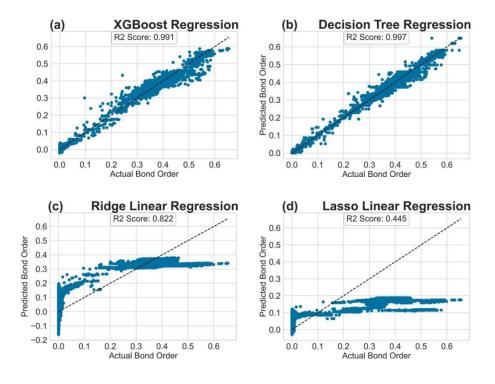


Figure S2: R2 plot for the tested regression models in Setting (D).