

PROJECT OVERVIEW: *The Biological Clock (EXP-005)* Subject: Transcriptomic Aging Model

Objective: *To calculate the true biological age of tissue (as opposed to chronological age) using machine learning and bulk RNA sequencing data.*

Methodology: *Developed a predictive model in Python and R using bioinformatic datasets from NCBI. By analyzing the transcriptomic signatures—specifically which genes are upregulated or silenced over time—the model accurately maps the cellular decay curve.*

Current Status: *Algorithm is functioning. Validation against control datasets shows a high correlation between transcriptomic markers and physical tissue degradation.*

Lab Notes: *Chronological time is a lie. The cells tell the true story. The model successfully predicted the accelerated aging of Specimen A. I should probably stop drinking so much coffee; my own RNA is likely not looking great.*