BINF 732 Genomics

Take-home Midterm Exam

Due March 21, 2022

1. Why is genetic/genomic variation important?
2. Genome sequencing has become cheaper and more advanced technology has been developed. What is the current cost per individual genome and what do you think the cost will be in 2 years supporting your predictions with sources from the news and scientific literature? How will this be a useful development?
3. How might genomics be useful for your future research and career plans?
4. Find a database or tool that allows the study of genetic/genomic variation. Please describe it. How might you use this tool to advance your research? Please be as specific as possible.