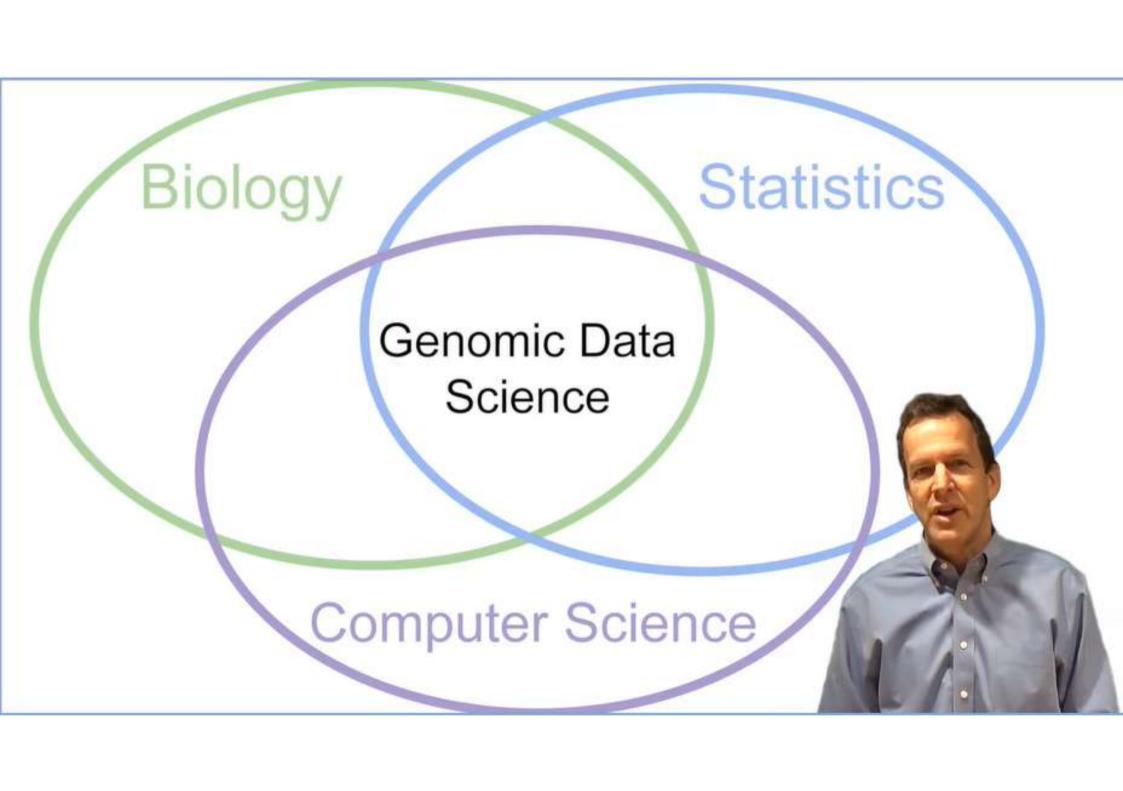
What is genomic data science?



Steven Salzberg









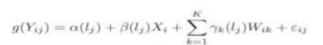








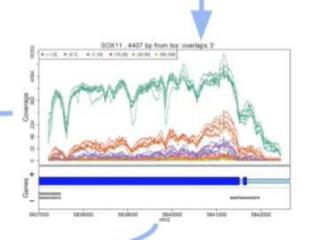


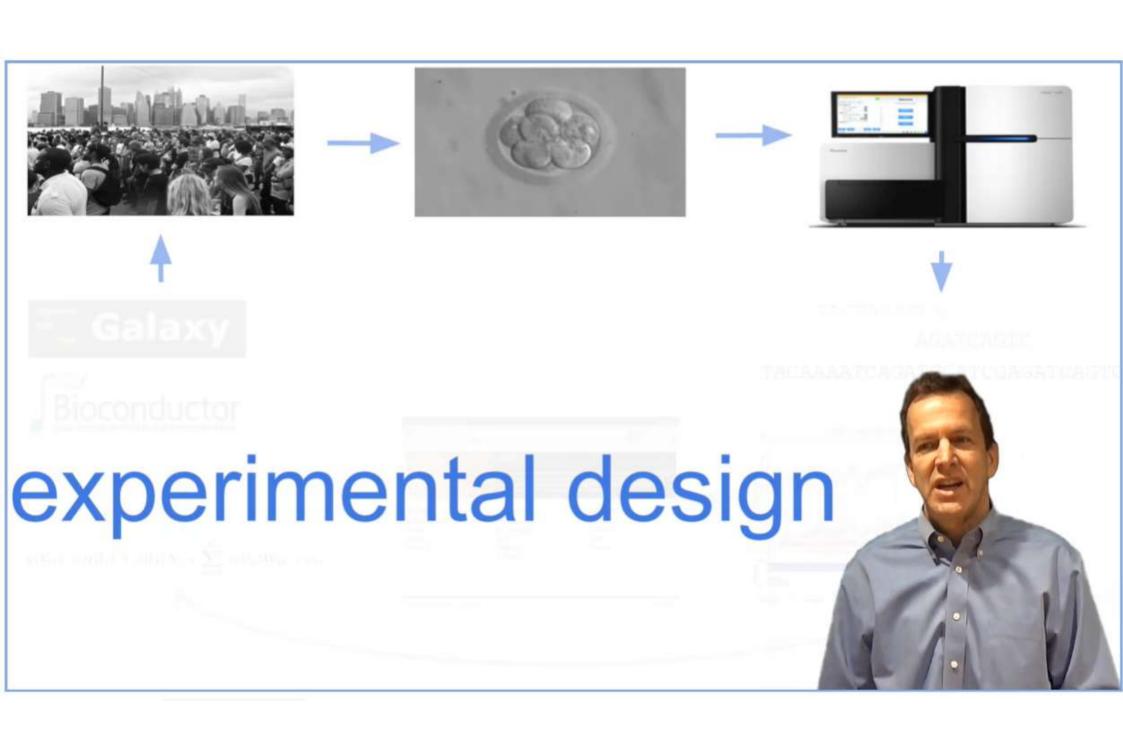


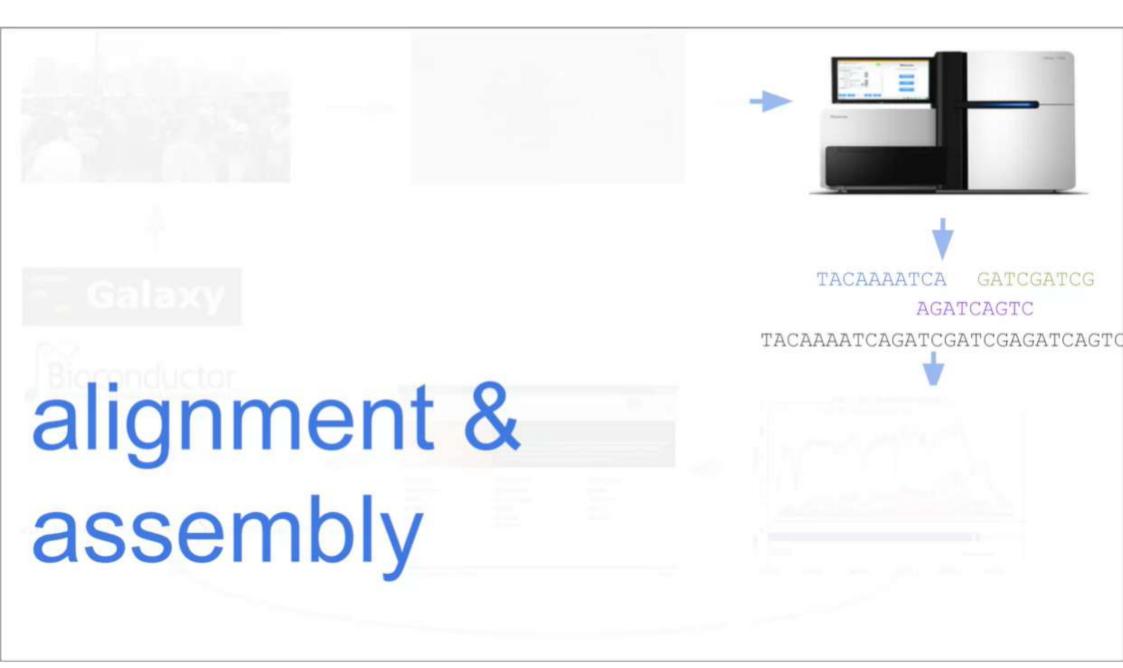




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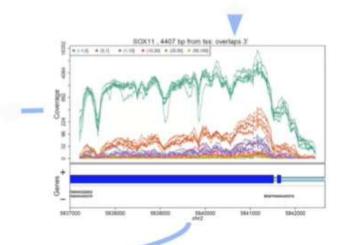


statistics & machine learning

Galaxy

Bioconductor

$$g(Y_{ij}) = \alpha(l_j) + \beta(l_j)X_i + \sum_{k=1}^{K} \gamma_k(l_j)W_{ik} + \varepsilon_{ij}$$



software development











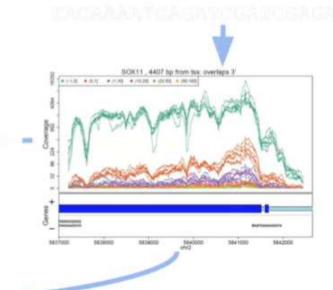






$$g(Y_{ij}) = \alpha(l_j) + \beta(l_j)X_i + \sum_{k=1}^{K} \gamma_k(l_j)W_{ik} + \varepsilon_{ij}$$

population genomics



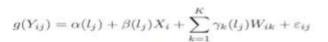












integrative genomics



