

SimplicityBioTM

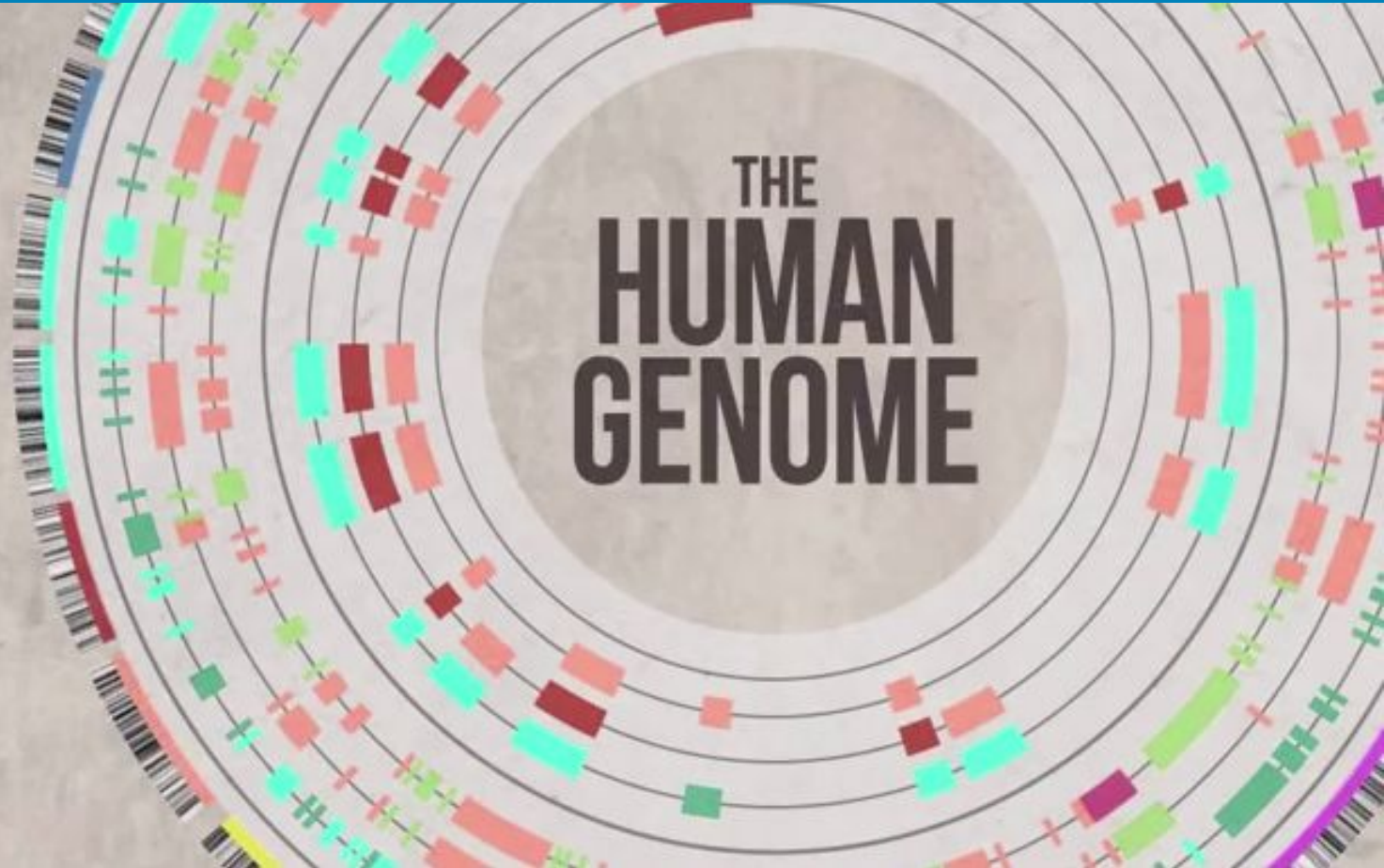
IN SILICO
BIOMARKER DISCOVERY

Interpretable AI for Precision Medicine

Private

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What is “precision medicine” ?



Meet the Artificial Intelligence family

ARTIFICIAL INTELLIGENCE

Early artificial intelligence stirs excitement.



MACHINE LEARNING

Machine learning begins to flourish.



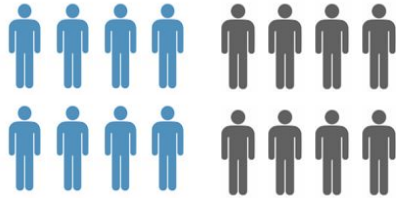
DEEP LEARNING

Deep learning breakthroughs drive AI boom.

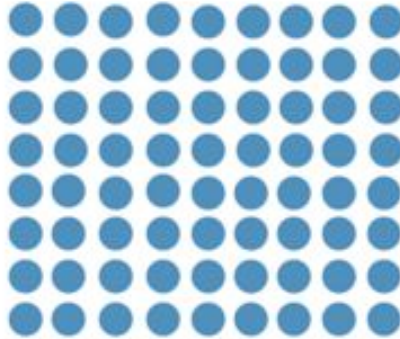


1950's 1960's 1970's 1980's 1990's 2000's 2010's

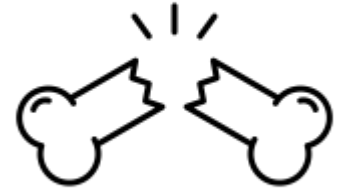
Osteoporosis fracture risk prediction Data



Two arms

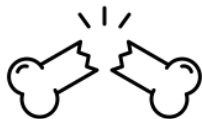
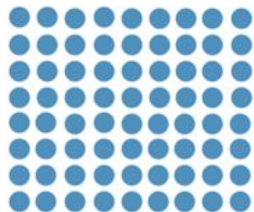
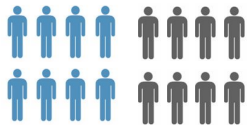


Blood miRNA



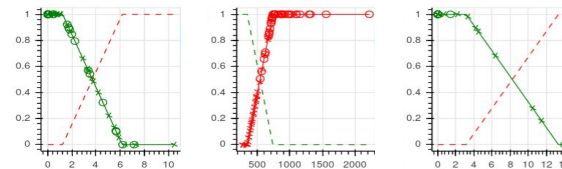
Fracture result

BOSS - Biomarker Optimization Software System



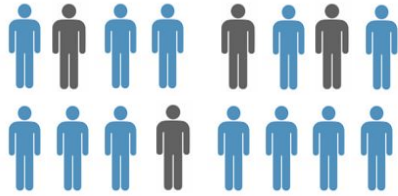
Machine learning

If Var8 is LOW(1.22832) AND Var1 is HIGH(736.124) AND Var7 is LOW(3.12538)

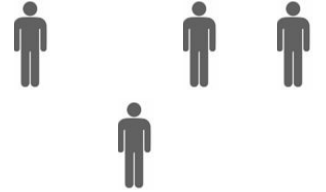


Model

osteomiR™ Osteoporosis fracture risk prediction test



Population



Fracture Prediction

Interpretable AI

