

Machine Learning per la Fisica Applicata e la Fisica delle Alte Energie

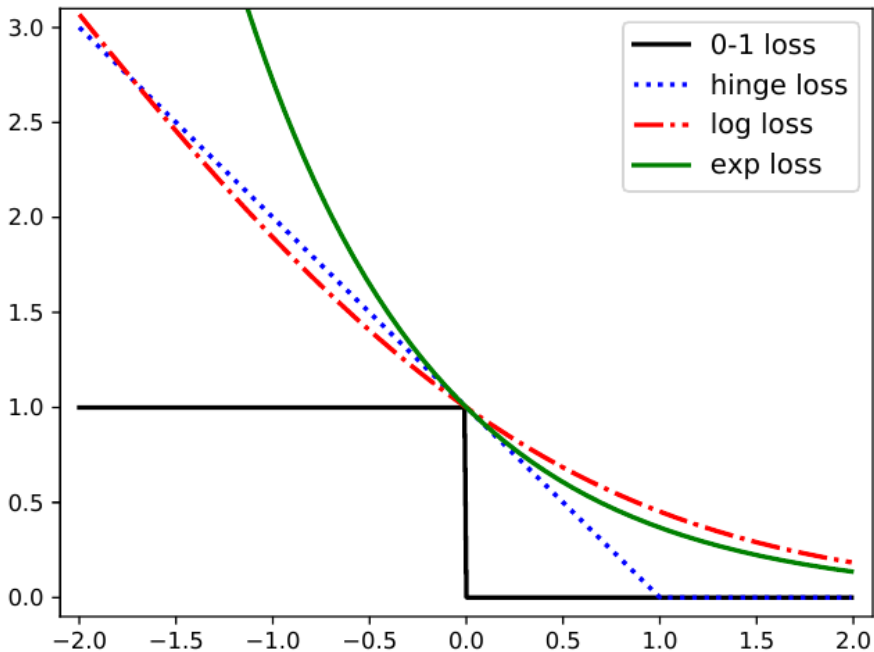
Lezione 3: Richiami di statistica

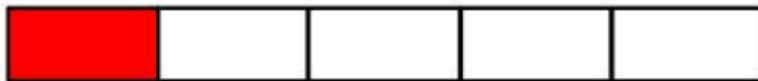
Emanuele R. Nocera

11 ottobre 2022



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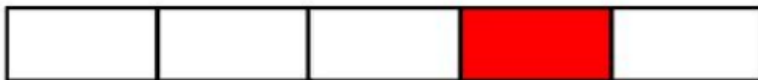
run 1



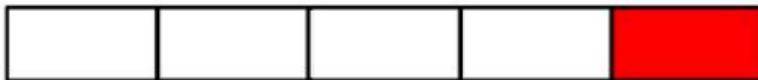
run 2



run 3



run 4



run 5

**NEITHER ACCURATE
NOR PRECISE**



**ACCURATE
NOT PRECISE**



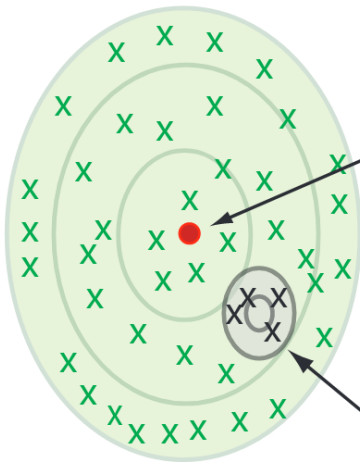
**PRECISE
NOT ACCURATE**



**ACCURATE
AND PRECISE**



**High variance,
low-bias model**



True model

**Low variance,
high-bias model**