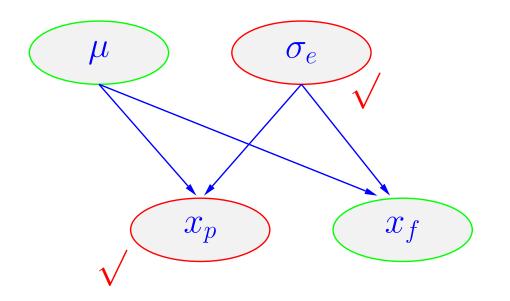
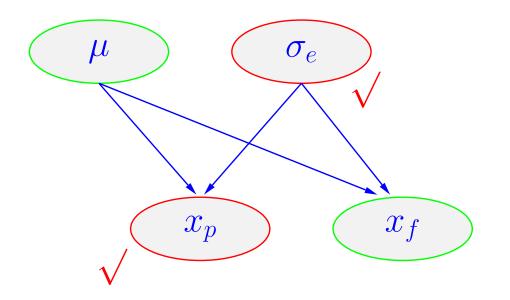


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What shall we observe in a next measurement x_f ('f' as 'future'), given our knowledge on μ based on the previous observation x_p ?

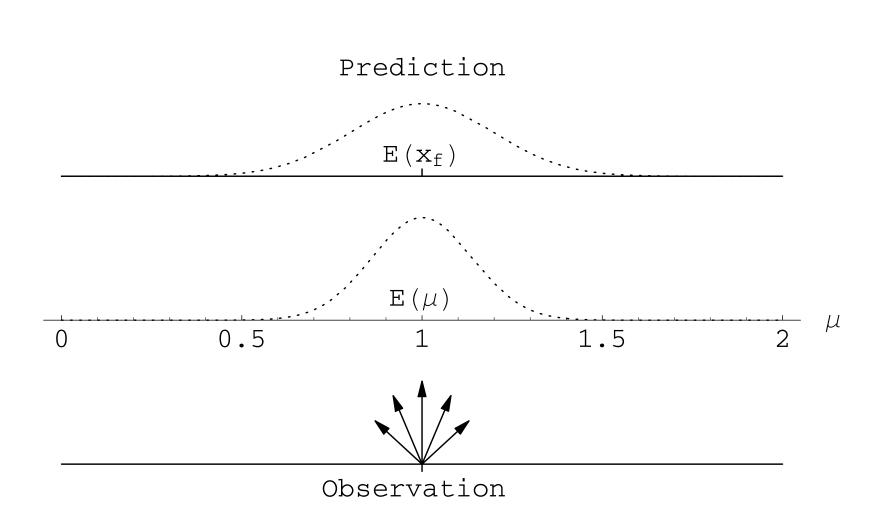
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What shall we observe in a next measurement x_f ('f' as 'future'), given our knowledge on μ based on the previous observation x_p ? (Note the new evocative name for the observation, instead of x_1)







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Probability theory teaches us how to include the uncertainty concerning μ :

$$f(x \mid I) = \int_{-\infty}^{+\infty} f(x \mid \mu, I) f(\mu \mid I) d\mu.$$

Completare come esercizio

