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Epilepsy seizure detection using multisensors

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1 Introduction

1.1 Context

Our project...

1.2 About the situation

Let $X1, ...Xn$ independant and identically distribued random variables with a mean μ and a standard deviation σ. We denote $\bar{X}_n = n^{-1} \sum_{i=1}^{n} X_i$. Then the law of $\frac{\bar{X}_n - \mu}{\sigma/\sqrt{n}}$ tends to the reduced central normal law. This is also written : for all a and b real numbers,

where Z is a reduced centered Gaussian variable, $Z \sim \mathcal{N}(0, 1)$