
On sufficient linear and quadratic statistics in linear
models

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Resumo

This paper revisits the concepts of sufficiency in linear normal models. The minimal sufficient statistics characterized in [2] in the context of mixed linear model are compared with quadratically sufficient statistic introduced in [1].

References

- [1] Mueller, J. (1987). *Sufficiency and completeness in the linear model*. Journal of Multivariate Analysis, 21:312-323.
- [2] Zmysłony, R. (1980). *Completeness for a family of normal distributions*. Mathematical Statistics, Banach Center Publications 6:355-357.

30/5/2017 | 11h00m | Sala de Reuniões do Departamento de Matemática