Exploring LD decay with quantiles – a case study

Federico Torretta[1], Sabine K. Schnabel[2], Matthias Westhues[3]

[1] Università di Palermo, Italy
[2] Biometris, Wageningen University and Research Centre, The Netherlands
[3] Universität Hohenheim, Germany

E-mail for correspondence: `sabine.schnabel@wur.nl`

Abstract: Abstract text

Keywords: Keyword1; Keyword2; Keyword3.

1 Introduction and motivation

- Decreasing costs of genotyping $\rightarrow$ data readily available

- More markers $\rightarrow$ more information about genetic structure available

- More data available does not forcedly result in more information available. The sheer amount of data (Stichwort BIG DATA) might be a problem to deal commonly encountered. Even exploration is a challenge.

- manage $\rightarrow$ explore $\rightarrow$ analyse

- Here we focus on exploring/quantifying LD decay.

- As an exploratory tool we will be using quantile regression (general references).

- Data: (local) LD decay in Maize

2 Section 2

Text for the second section. This section will have no subsections.
We refer to Table 1 for a summary of our main results. Have a look to Table 2 for an additional example.
Finally a figure (in `.pdf`!)
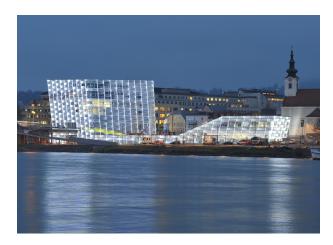We refer to Figure 1 for a graphical representation.

FIGURE 1. Caption text **BELOW** the figure.

References

Diggle, P.J., Liang, K-Y., and Zeger, S.L. (1994). *Analysis of Longitudinal Data.* Oxford: Clarendon Press.

Green, P.J. and Silverman, B.W. (1994). *Nonparametric Regression and Generalized Linear Models.* London: Chapman & Hall.

Henderson, C.R. (1973). Sire evaluation and genetic trends. In: *Proceedings of the Animal Breeding and Genetics Symposium in Honour of Dr. L. Lush,* Champaign, Illinois, $10-41$.

TABLE 1. Caption text **ABOVE** the table.

Title col1	Title col2	Title col3
row1 col1	row1 col2	row1 col3
row2 col1	row2 col2	row2 col3
row3 col1	row3 col2	row3 col3

TABLE 2. Caption text **ABOVE** the table.

| Title1 | Title for cols 2 -3 | |
	Title2	Title3
	a	c
	b	d
Total	$a+b$	n

Lee, Y. and Nelder, J.A. (1996). Hierarchical generalized linear models. *Journal of the Royal Statistical Society, Series B*, **58**, 619 – 678.

Robinson, G.K. (1991). That BLUP is a good thing: the estimation of random effects (with Discussion). *Statistical Science*, **6**, 15 – 51.