




1 **stgam: An R package for GAM-based varying**
2 **coefficient models**

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6 **Summary**

7 We are often interested in understanding how and where statistical relationships vary over
8 space, and how they change over time. Quantifying such *process heterogeneity* (spatial and or
9 temporal) can be done using *varying coefficient* models. The opportunity to undertake such
10 space-time analyses are greater due to the increased generation and availability of data that
11 include both spatial and temporal attributes (e.g. GPS coordinates and time-stamps).

12 **Reference**