Something about cetacean heart rates and ballistocardiograms

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Text of abstract

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Keywords: keyword 1; keyword 2; keyword 3

Highlights: These are the highlights.

# 1 Introduction

Here is a citation (Marwick, 2017)

# 2 Background

# 3 Methods

# 4 Results

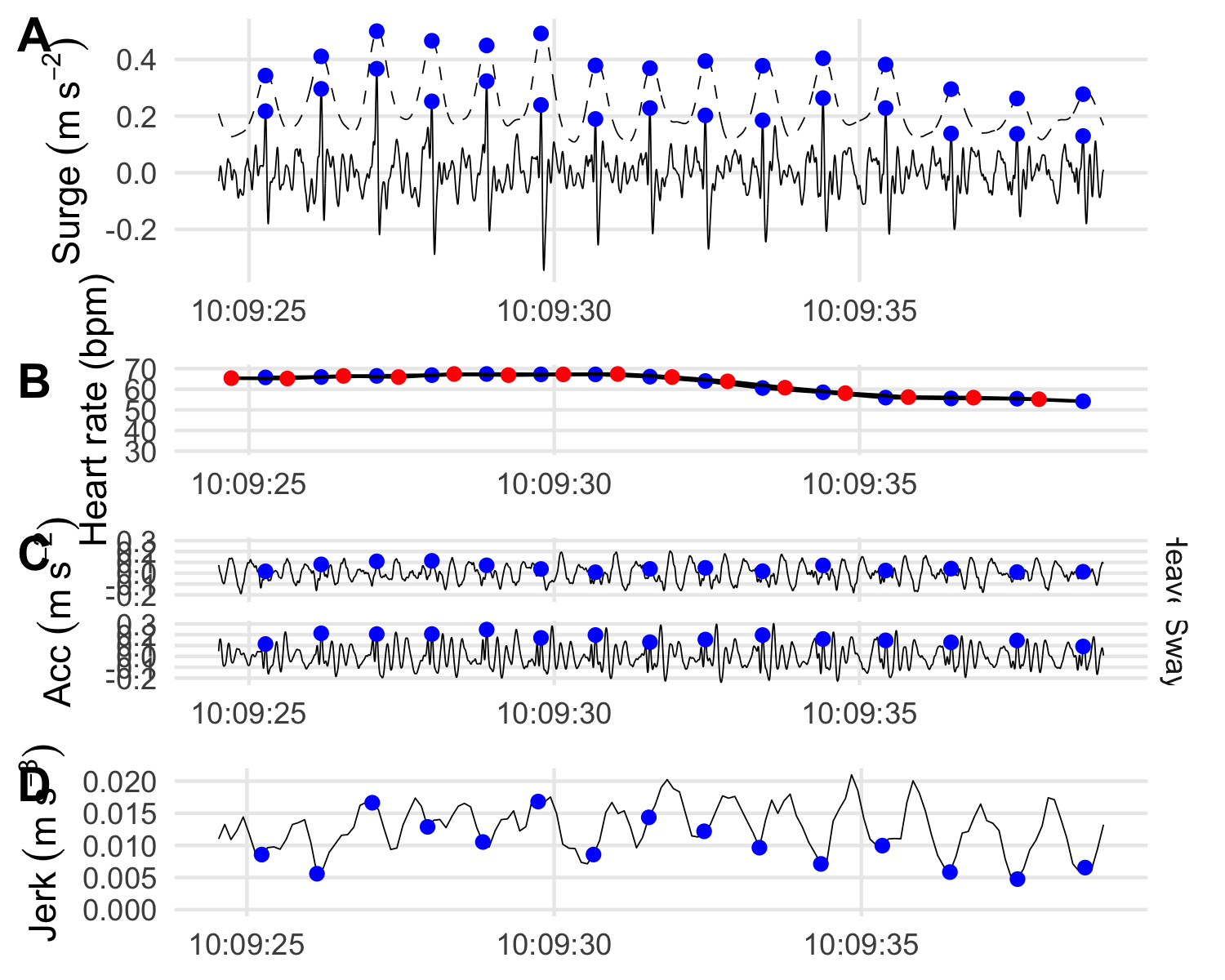


Figure 4.1: A: The BCG signal is clearest in surge (longitudinal axis acceleration). Solid line: surge bandpass filtered to [1.0 25.0] Hz. Dashed line: local range of surge (LRS) in 0.25 s sliding window. Blue dots indicate peak of the BCG I-wave. B: Heart rates estimated from BCG (blue) match those from ECG (red). Temporal offset is due to both physiology and sensor clock differences. C: BCG signal is not as strong in heave (dorso-ventral axis) or sway (lateral axis) as in surge. The sway signal is likely due to movement of the chest cavity (see video S1). D: Some, but not all, heart beats are visible in the norm of the jerk vector.

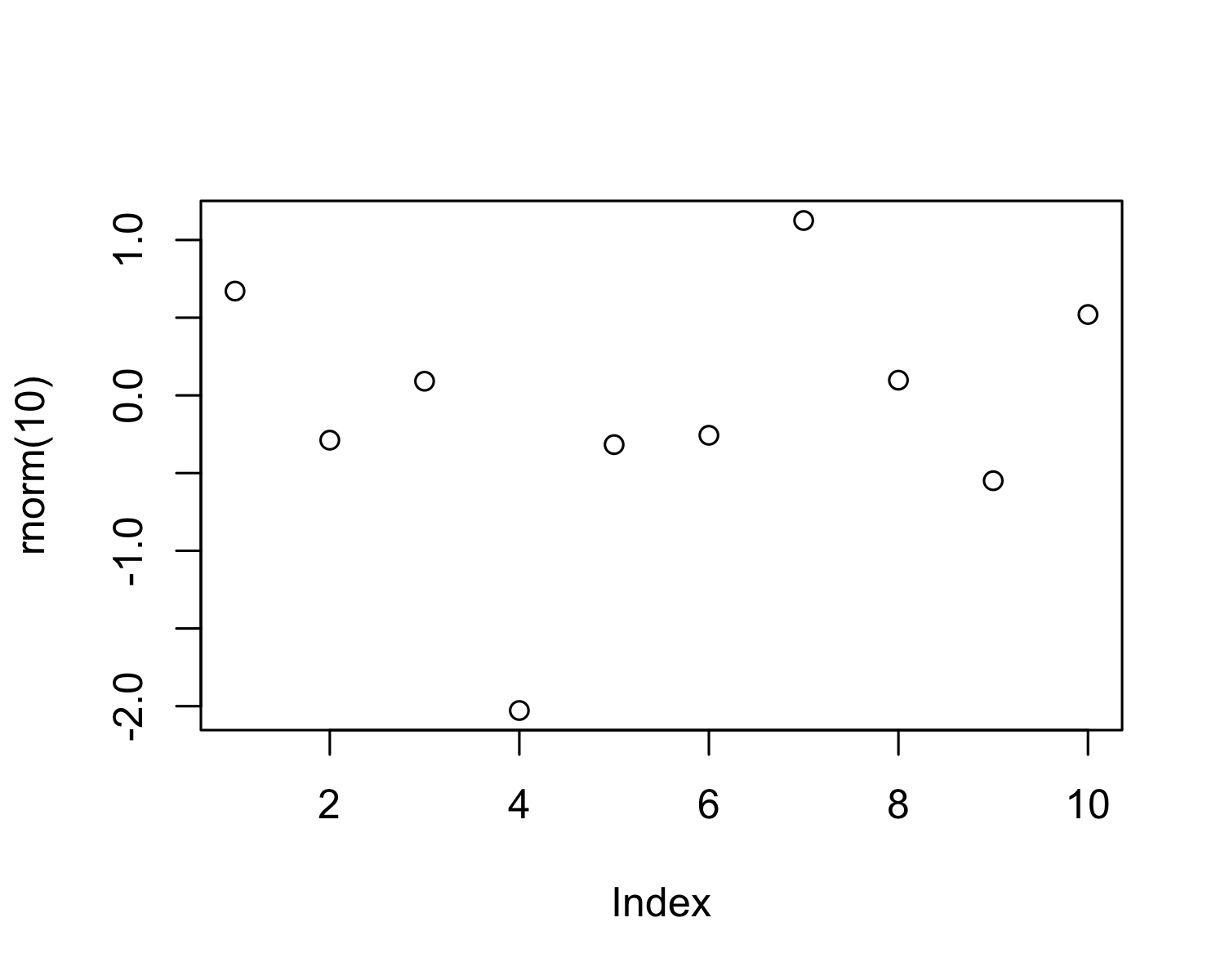


Figure 4.2: A plot of random numbers

Figure 4.2 shows how we can have a caption and cross-reference for a plot

Here is an example of inline code 3.14 in the middle of a sentence.

# 5 Discussion

# 6 Conclusion

# 7 Acknowledgements

# 8 References

Marwick, B., 2017. Computational reproducibility in archaeological research: Basic principles and a case study of their implementation. Journal of Archaeological Method and Theory 24, 424–450. <https://doi.org/10.1007/s10816-015-9272-9>

### 8.0.1 Colophon

This report was generated on 2021-08-25 18:52:37 using the following computational environment and dependencies:

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#> date 2021-08-25   
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The current Git commit details are:

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#> Remote: main @ origin (https://github.com/FlukeAndFeather/cetaceanbcg.git)  
#> Head: [8c787b9] 2021-08-26: initial commit