Joanna Mills Flemming[1]

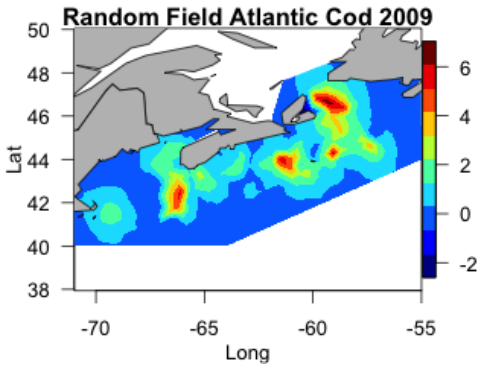
Statistics

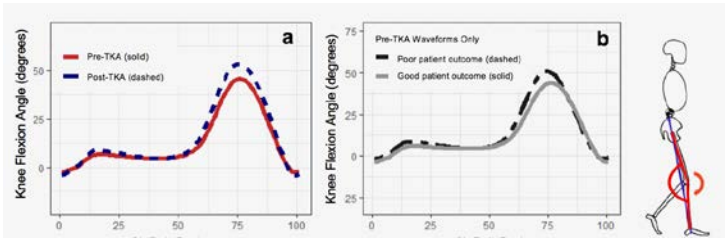
Dr. Flemming's research interests centre on the **development of statistical methodologies for data exhibiting spatial and/or temporal dependencies**. Real-world problems motivate her research.

How do we infer animal behaviours (at the level of both the individual and population) from aquatic animal tracks which are observed imperfectly through time and space? What environmental information might influence these behaviours and how best do we include relevant data in our models?

How can we reliably estimate the biomass of a fish stock and understand its biology? How can we determine how many fish can be safely removed from the stock to ensure a sustainable resource?

How can we improve the datasets and statistical methods used in outcomes research particularly for determining the degree of change that can be attributed to surgical interventions like knee and hip replacements?





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