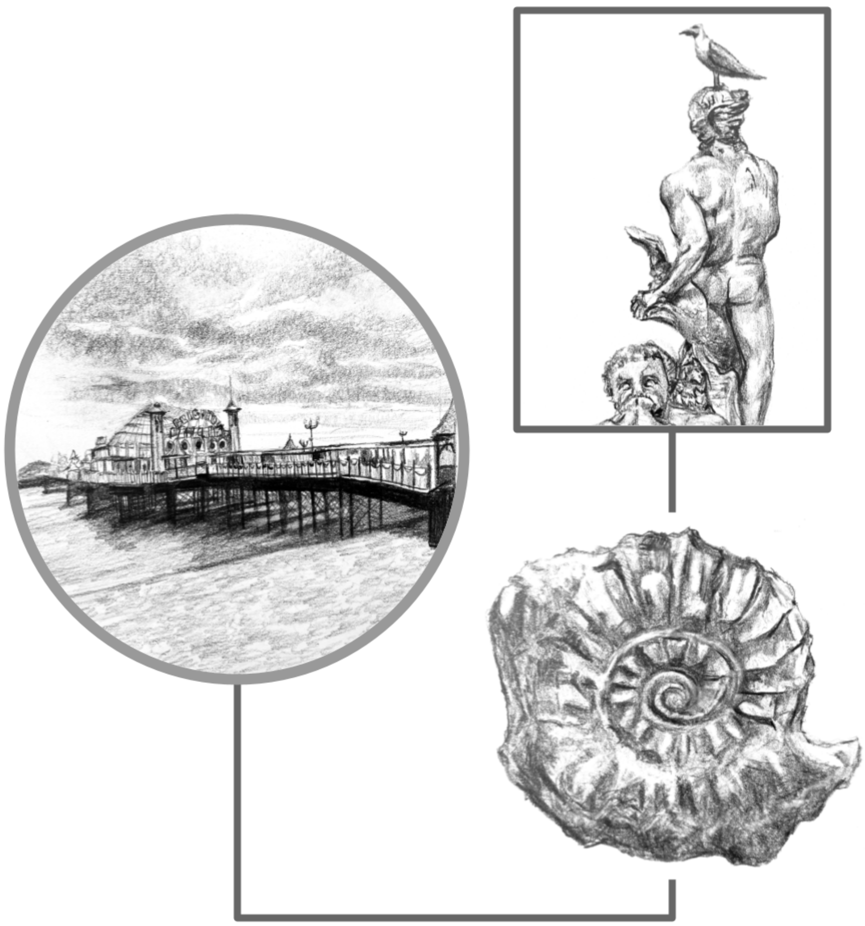

4

Empirical dynamical emulators

Concept. To leverage the probabilistic formalism that we developed in the previous chapter to be able to empirically emulate the real-world data for a wide variety stochastic phenomena within a generalised framework. After doing a little bit pf literature comparison to some pre-existing methods, this chapter will then explore how the mathematics fits as code within the stochadex and follows this up with some simple examples. For the mathematically-inclined, this chapter will take a detailed look at how our formalism can be adapted to focus on dynamical process emulation. For the programmers, we will be creating some new modules in the stochadex public Git repository: https://github.com/umbralcalc/stochadex.

Bibliography