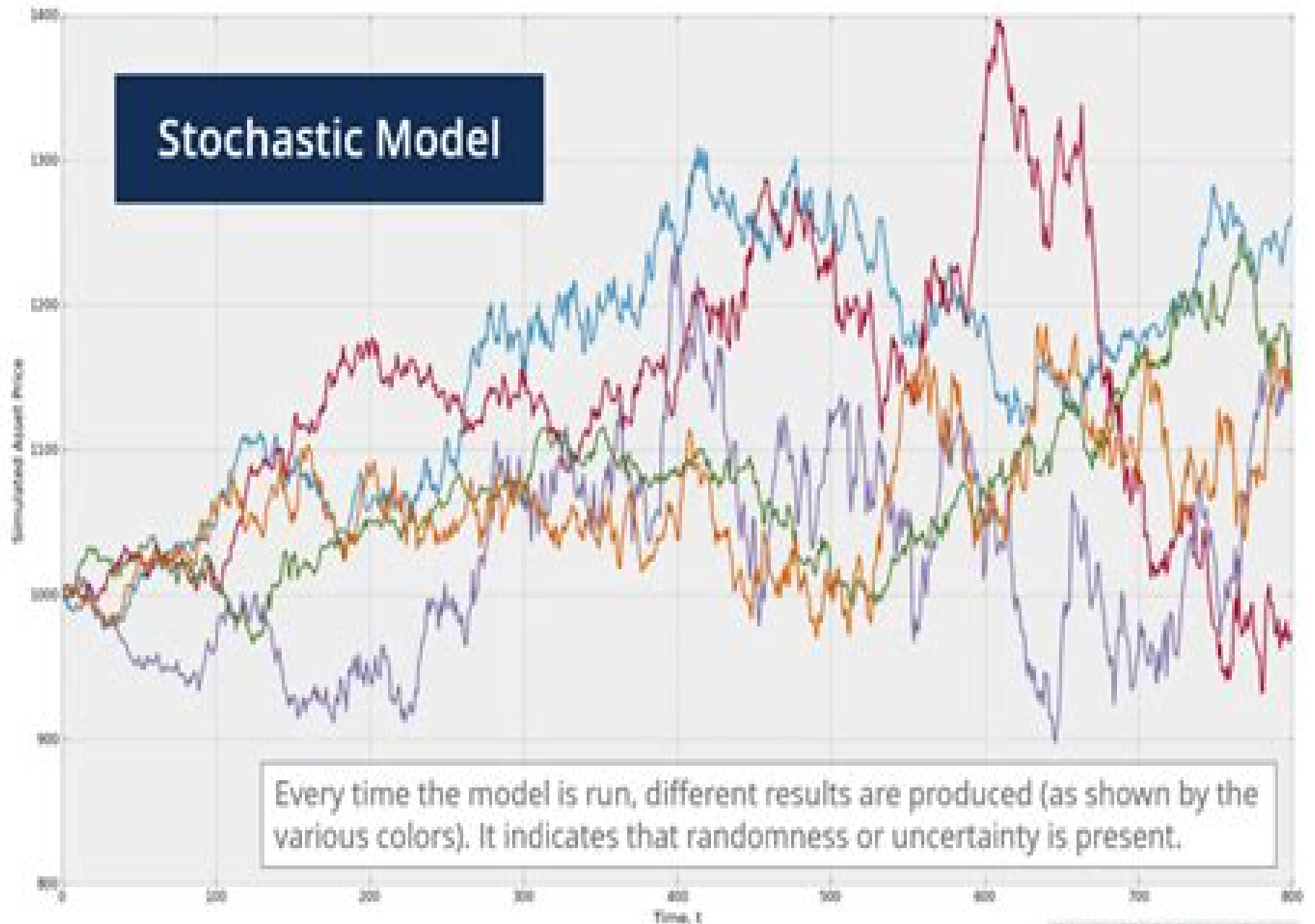


## Stochastic Model



Every time the model is run, different results are produced (as shown by the various colors). It indicates that randomness or uncertainty is present.

# Stochastic Modeling Of Scientific Data

**Andrew B. Lawson, Sudipto  
Banerjee, Robert P. Haining, Maria  
Dolores Ugarte**



## **Stochastic Modeling Of Scientific Data:**

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comprehensively accounts the advances in data based approaches for hydrologic modeling and forecasting Eight major and most popular approaches are selected with a chapter for each stochastic methods parameter estimation techniques scaling and fractal methods remote sensing artificial neural networks evolutionary computing wavelets and nonlinear dynamics and chaos methods These approaches are chosen to address a wide range of hydrologic system characteristics processes and the associated problems Each of these eight approaches includes a comprehensive review of the fundamental concepts their applications in hydrology and a discussion on potential future directions

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