



Study of Locally Stationary Estimators

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This talk discusses several methodologies for estimating locally stationary processes in short-range and long-range dependence. The methods considered include a quasi likelihood Whittle estimator, a state space Kalman filter procedure and a minimum distance estimator (MDE) technique. The theoretical aspects of these estimation procedures are studied and their finite sample performance is investigated by means of Monte Carlo experiments. Furthermore, we present an illustrative application to a real-life time series.

Keywords: Long-range dependence, short-range dependence, locally stationary processes, estimation.