

# Box-Jenkins Methodology

**Step 1: IDENTIFICATION**  
Analyze ACF/PACF  
Select p, d, q



**Step 2: ESTIMATION**  
Estimate parameters  
(MLE or Yule-Walker)



**Step 3: DIAGNOSTIC**  
Check residuals  
Ljung-Box test



Residuals  
White Noise?



Yes

**Step 4: FORECASTING**  
Generate predictions  
with confidence intervals

No  
Revise  
model