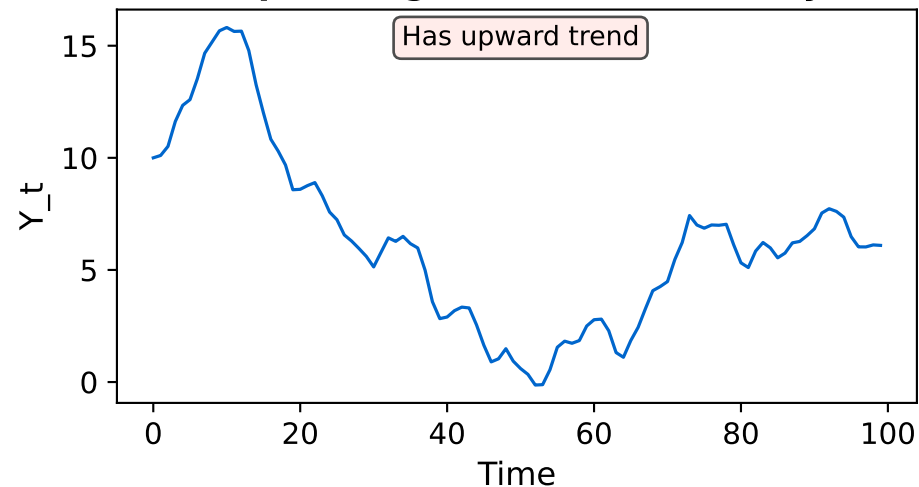
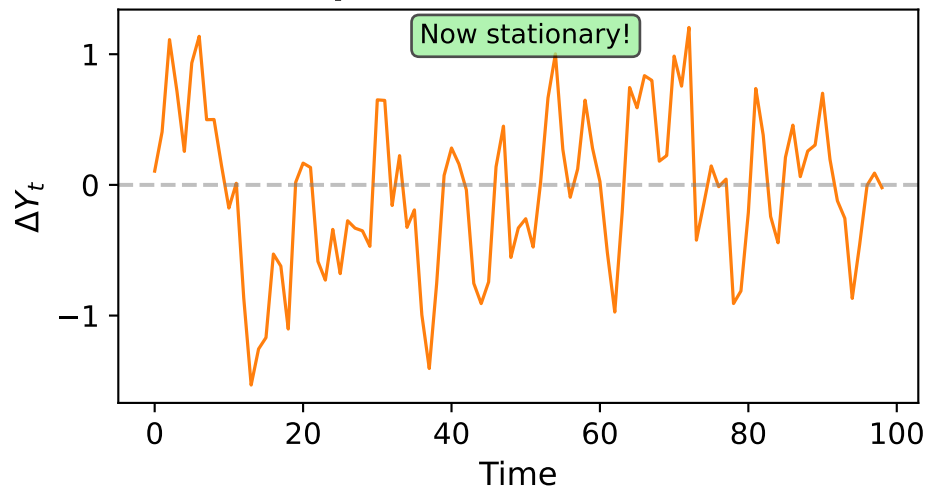


### Step 1: Original (Non-Stationary)



### Step 2: Differenced (d=1)



### Step 3: Estimated Parameters

#### ARIMA(1,1,1) Fit:

$$\phi_1 = 0.48 \text{ (AR term)}$$

$$\theta_1 = 0.31 \text{ (MA term)}$$

$$\text{AIC} = 142.3$$

### Step 4: Forecast with 95% CI

