**Data W5**

**Time series plot:**

****

**ACF & PACF:**





**This model is AR (1)**

**(1-1.0017B) (**$Z\_{t}$**-**$μ$ **)=**$a\_{t}$ **(not stationary so we need to take the difference)**

**After taking the difference (d=1)**

**Time series plot:**

****

**ACF & PACF:**





**The model after taking the difference is a white noise (stationary) there is almost no significant value in neither ACF or PACF**

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