

### **ARMAX** Demo

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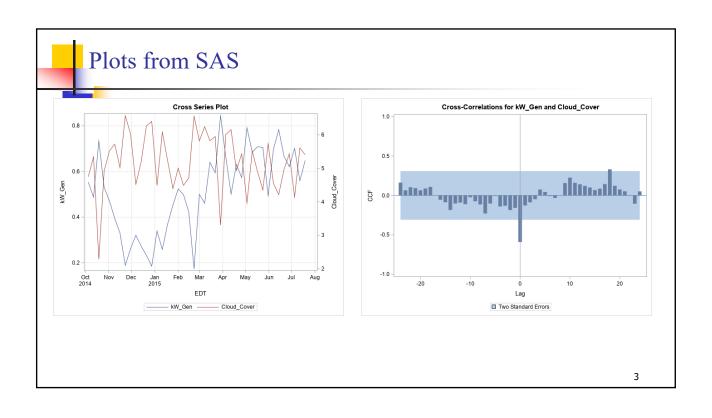
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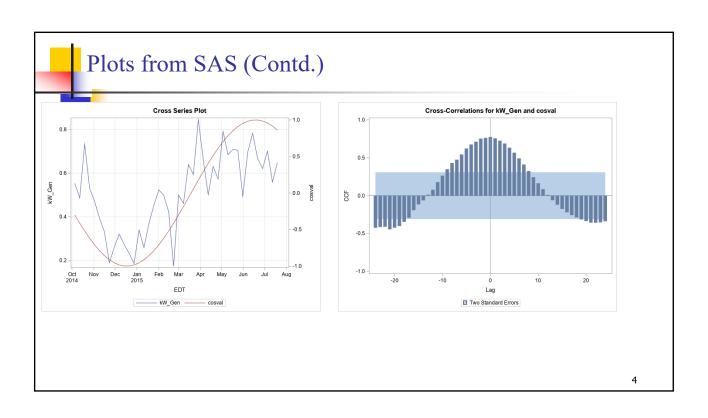


## Continue to Use Solar Power Data

- Program2\_ARIMA\_Models
- SolarPV data that has following variables:
- **kW\_Gen**: Average daily solar electricity production in the week in kilowatt hours
- Cloud\_Cover: Average daily *estimated* cloud cover in the week, scaled 0-10
- Cosval: A discretized cosine wave starting at the summer solstice, with a cycle of one year

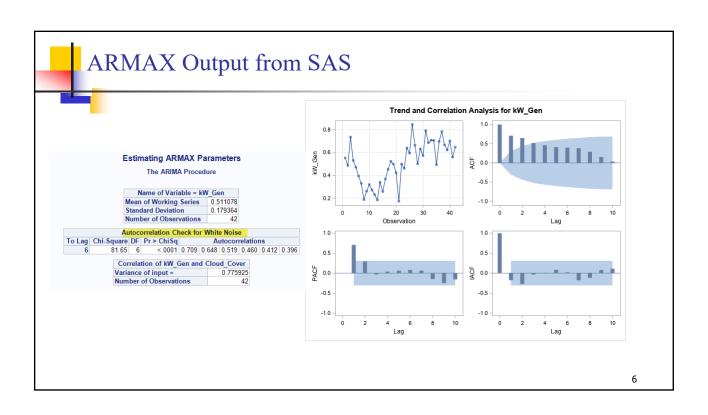
2

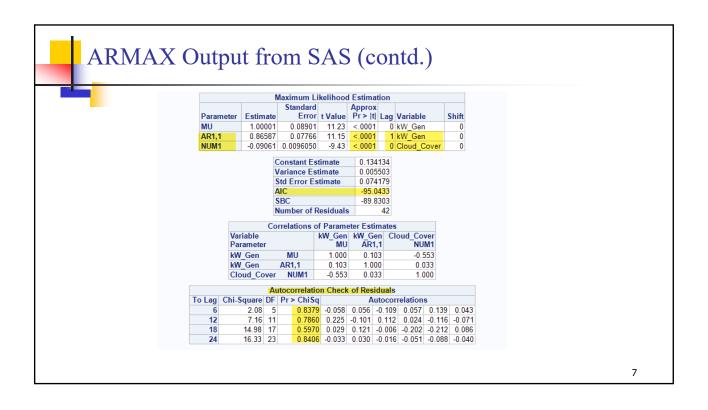


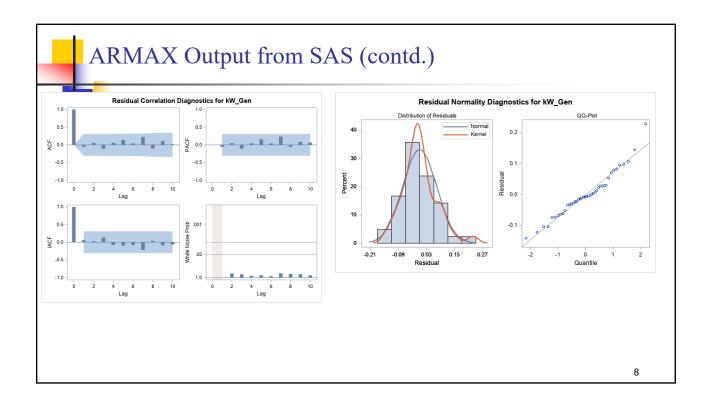


# Estimating Parameters in ARMAX

5









## Adding Both X Variables in ARMAX

9

