Test Sobol with correlation structure

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Introduction

This is to test whether the correlation structure created by the Iman method is conserved with a Sobol rearrangement, for global SA.

First generate the correlated sample, and then create the sobol object. Identify baseline values for all other necessary fuel types, and add as constant to final dataframe. Call consume (or fofem), then evaluate results. we will do this with an example evt

Next we call the consume batch processor. We can do this from R.

And now we calculate the sensitivity metrics

EVT: 58 FB 110 output: PM.Emissions

EVT: 58 FB 110 output: CO.Emissions

EVT: 58 FB 110 output: CO2.Emissions

EVT: 58 FB 110 output: PM25.Emissions