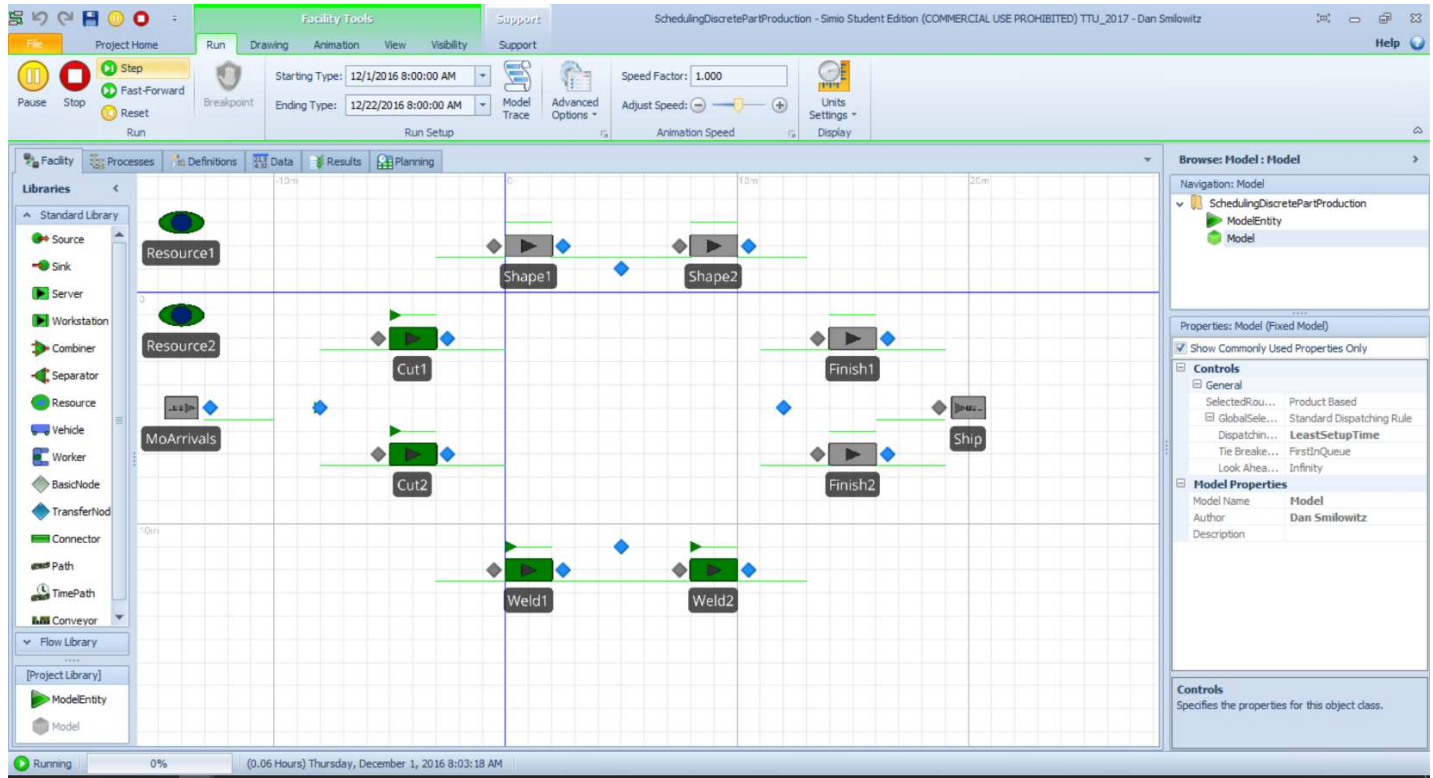


DATA 604 Week 1: Simio Setup & Goals

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This semester, I want to build a knowledge base of simulation that I can apply to my current job responsibilities. As the person in charge of market analytics for energy services at my company, I am responsible for developing scenarios outlining likely cases for program adoption. I'm hopeful that applying advanced simulation techniques to this process will help to handle uncertainty and variability in a mathematically rigorous fashion. I'd also like to refresh the knowledge of Markov Chain Monte Carlo methods that I developed while performing my undergraduate research project; the applications at work will be quite different than using the method for cosmological parameter modeling, but replicating the level of accuracy I achieved would bring tremendous value to my company in my current role.