



Model Building Elements

In System Dynamics

Stock Accumulation

Measures quantity. Like a bath of water.

What is accumulated stays there unless there are processes that change it.

The stock church could be how many people attend each week

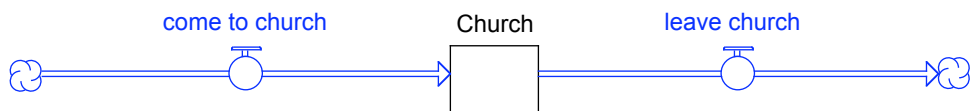


Flow

Measures change. Like a tap or a drain.

“come to church” is an inflow that adds people to church

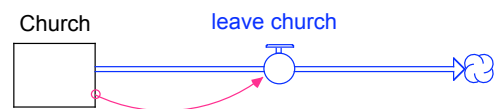
“leave church” is an outflow that takes people away from church



Connector

Controls Change.

The more people in “church” the more “leave church”



Converter

Any quantity derived from another.

“Chance of contacting outsider” depends on how many are outside church. compared with “total” population.

“number each Christian could bring to church” is a number which could be measured, on average. It does not depend on anything in the model.

