Agent-based energy systems modelling: MUSE

LECTURE 5 QUIZZES

5.1. Agents in energy systems models

How can agents differ?

1. Wealth
2. Location
3. **Both of the above**

Do we need to have separate agents for each individual?

1. Yes
2. No
3. **Sometimes, if the case study requires it**

5.2. How to relate agent representations to real life

Are we required to use survey data to use MUSE’s agent-based features?

1. Yes
2. **No**
3. In some circumstances

Has it been shown that agent characteristics can have an impact on the final energy mix in MUSE?

1. **Yes**
2. No
3. Not sure

5.3. Agents by sector

Which of these is a parameter that can be used for agent characterization?

1. Budget
2. Maturity
3. **Both of the above**

Which of these characteristics could we model in MUSE from the innovation adoption lifecycle?

1. Early adopters
2. Laggards
3. **Both of the above**

5.4. Agent parameters

Can we model multiple objectives for a single agent?

1. **Yes**
2. No
3. Sometimes

How do we combine multiple objectives?

1. Equally
2. **Linearly, as per our choosing**
3. It is not possible