Agent-based energy systems modelling: MUSE

LECTURE 4 QUIZZES

4.1. Energy technologies

What is not an energy technology?

1. **Coal**
2. Heat pump
3. Solar panels

Is it possible to aggregate multiple technology assets into one technology in MUSE?

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

4.2. Technoeconomic characteristics

What is a type of cost modelled in MUSE?

1. Capital costs
2. Variable costs
3. **Both of the above**

Why do we primarily model technoeconomic data in MUSE?

1. To parametrize existing capacity
2. To parametrize agent objectives
3. **To observe competition between technologies**

4.3. Input and output commodities

Can a technology have multiple input commodities?

1. Always
2. No
3. **Yes, depending on the technology**

What do the CommIn and CommOut files do together?

1. **Parametrise efficiency of a technology**
2. Specify technoeconomic data
3. Specify demand data

4.4. Interpolation and future years

What happens if we have no future technoeconomic data?

1. Interpolate
2. **Flat-forward extension**
3. The model crashes

What will be the demand assumed by MUSE in 2030 if there is a demand in 2020 of 5PJ and 10PJ in 2040?

1. **7.5**
2. 5
3. 20