14. Drum generation with cellular automata Generative Music AI







What we'll build

$$States = \{ON, OFF\}$$

hi-hat				
snare				
kick				

time

What we'll build

4 transition rules:

- Syncopation resolution
- Filling gaps
- Accenting
- Mutation

What we'll build

- CellularAutomatonDrumGenerator
- DrumPatternMusic21Converter

More drum instruments

- More drum instruments
- Modify rules

- More drum instruments
- Modify rules
- Add rules

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- Add rules
- Change initialisation

- More drum instruments
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- Add rules
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- CA for chord generation

What's up next?

Genetic algorithms