







Qiskit

Circuit = n_local (*args)



- n_qubits
- = - entanglement_strategy
- > - rotation_gates

First Steps

- Collection of different variational circuit architectures
 - Besides the number of layers, which circuits are there? Different entanglements, different rotations, ...
- Check Hellinger Distance in dependence of number of shots on noisy device (or simulation) for different circuits and compare
 - How different are circuits (2 vs. 20 layers?)
 - How does the intensity of noise play a role?
- Correlation of Hellinger distance with standard deviation of Hamming distance
 - Plots for multiple example circuits of both metrics in dependence on the number of shots
 - Multiple different circuits for better verification