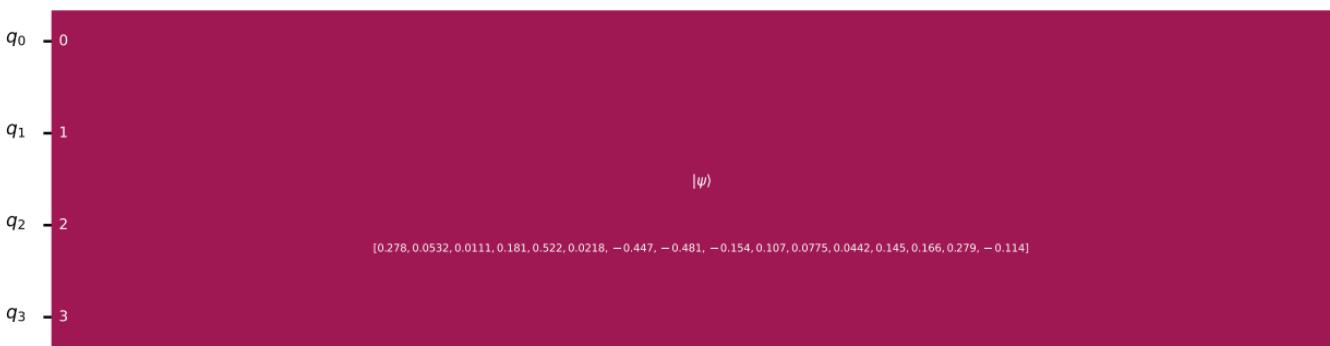


Qubit Efficiency Comparison

Amplitude Encoding (High-level)
K=16 features \rightarrow 4 qubits



Angle Encoding
16 qubits

Amplitude Encoding
4 qubits

Qubit Reduction: 75%

K=16 features encoded in 4 qubits
using quantum state amplitudes