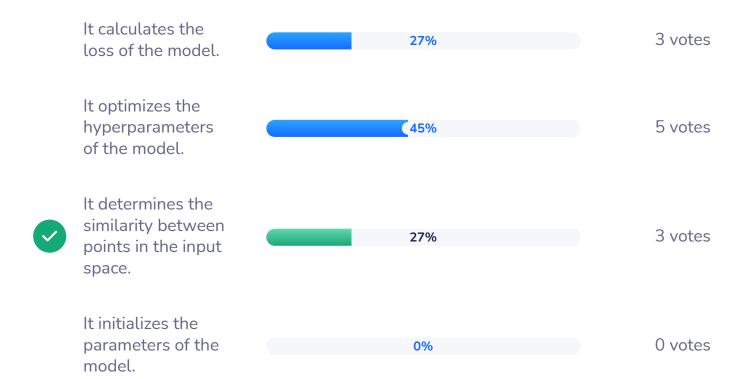
### QF632-2025-W10

Number of participants: 16



### 1. In Bayesian Optimization, what role does the kernel function play?

**3 correct answers** out of 11 respondents





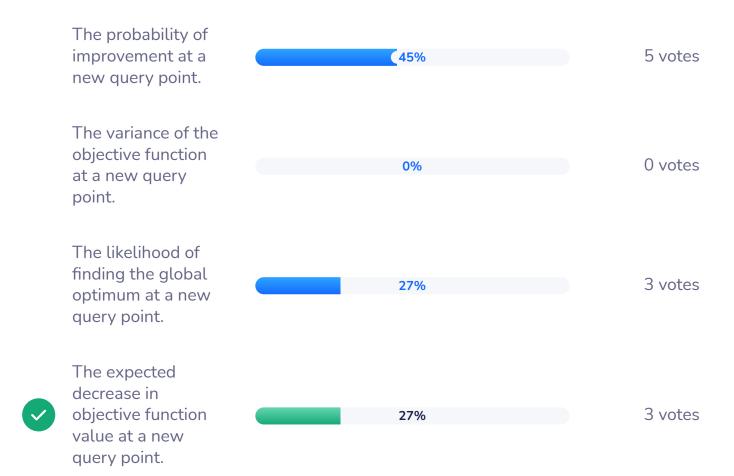
# Why is Bayesian Optimization often 2. used for hyperparameter tuning in machine learning?

#### **12 correct answers** out of 14 respondents



### The Expected Improvement 3. acquisition function in Bayesian Optimization quantifies what?

#### **3 correct answers** out of 11 respondents



#### × ×

# How might Bayesian Optimization 4. be utilized in portfolio optimization?

#### **11 correct answers** out of 12 respondents



#### × ×

# The choice of kernel in a Gaussian Process impacts the Bayesian Optimization process. What aspect does it particularly influence?

#### **7 correct answers** out of 12 respondents

