

```
graph TD; A[i. EVALUATE OBJECTIVE FUNCTION] --> B[ii. GENERATE MODEL FUNCTION]; B --> C[iii. SELECT NEW SAMPLE POINTS]; C --> A;
```

**i. EVALUATE OBJECTIVE
FUNCTION**

**ii. GENERATE MODEL
FUNCTION**

- chosen by maximizing likelihood function

**iii. SELECT NEW SAMPLE
POINTS**

- chosen by maximizing expected improvement