

# Conclusion & Overview

- cKG quantifies the expected value of information gained from sampling a new point, considering both the objective and constraint models.
- cKG can be efficiently computed by adapting the approach proposed in the work of Pearce et al. [2020]
- Proved that the algorithm will find the true optimum in the limit.
- cKG consistently and significantly outperformed all benchmark algorithms **especially on noisy settings**



