#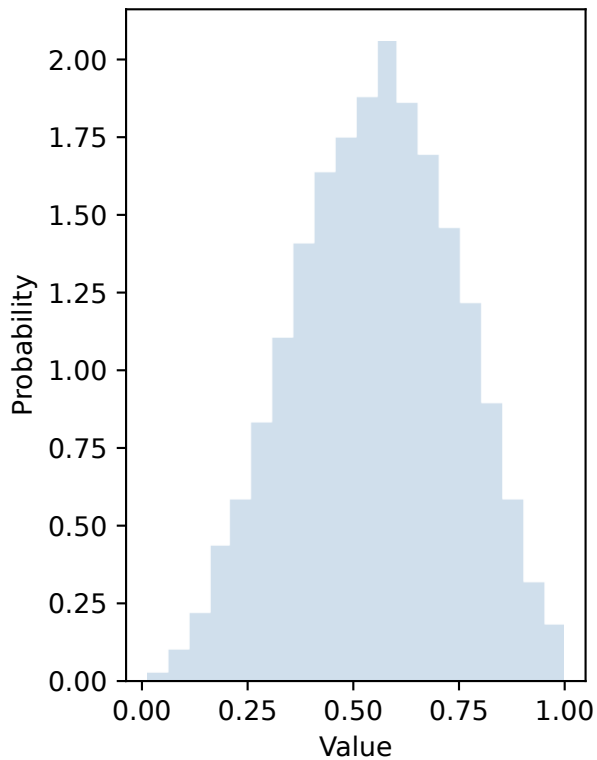 LF/HPP_probability