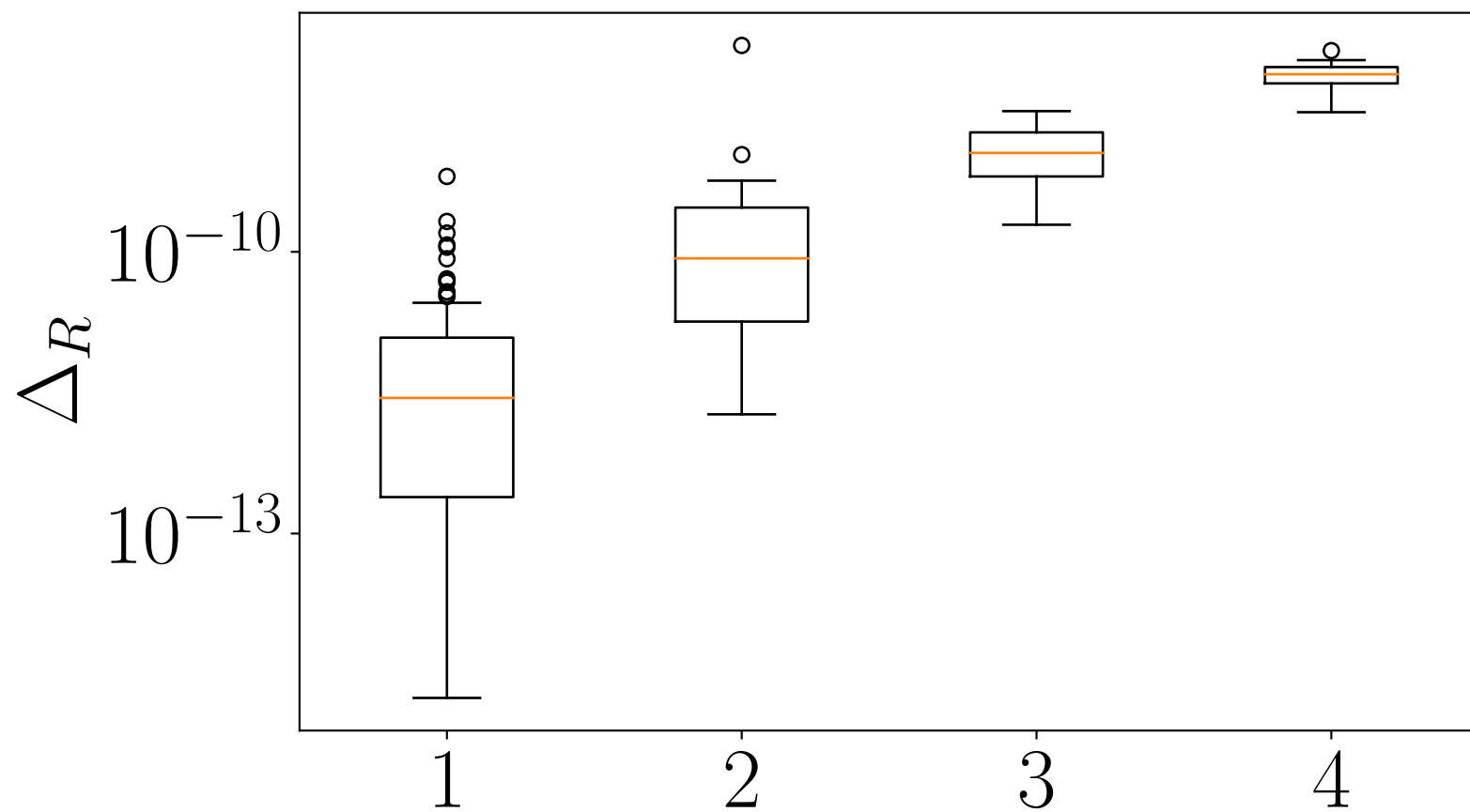


$$R = 2$$



$$\log_2(R) = \lceil \log_2(r_\epsilon) \rceil$$

