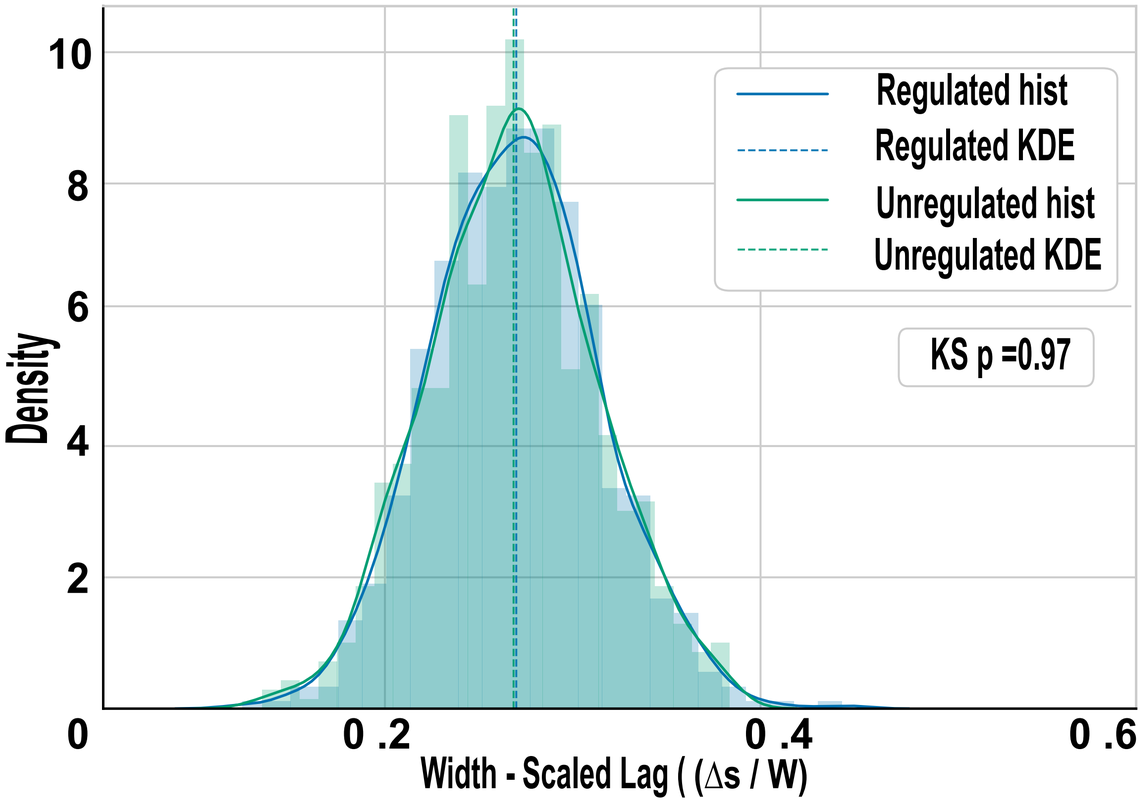
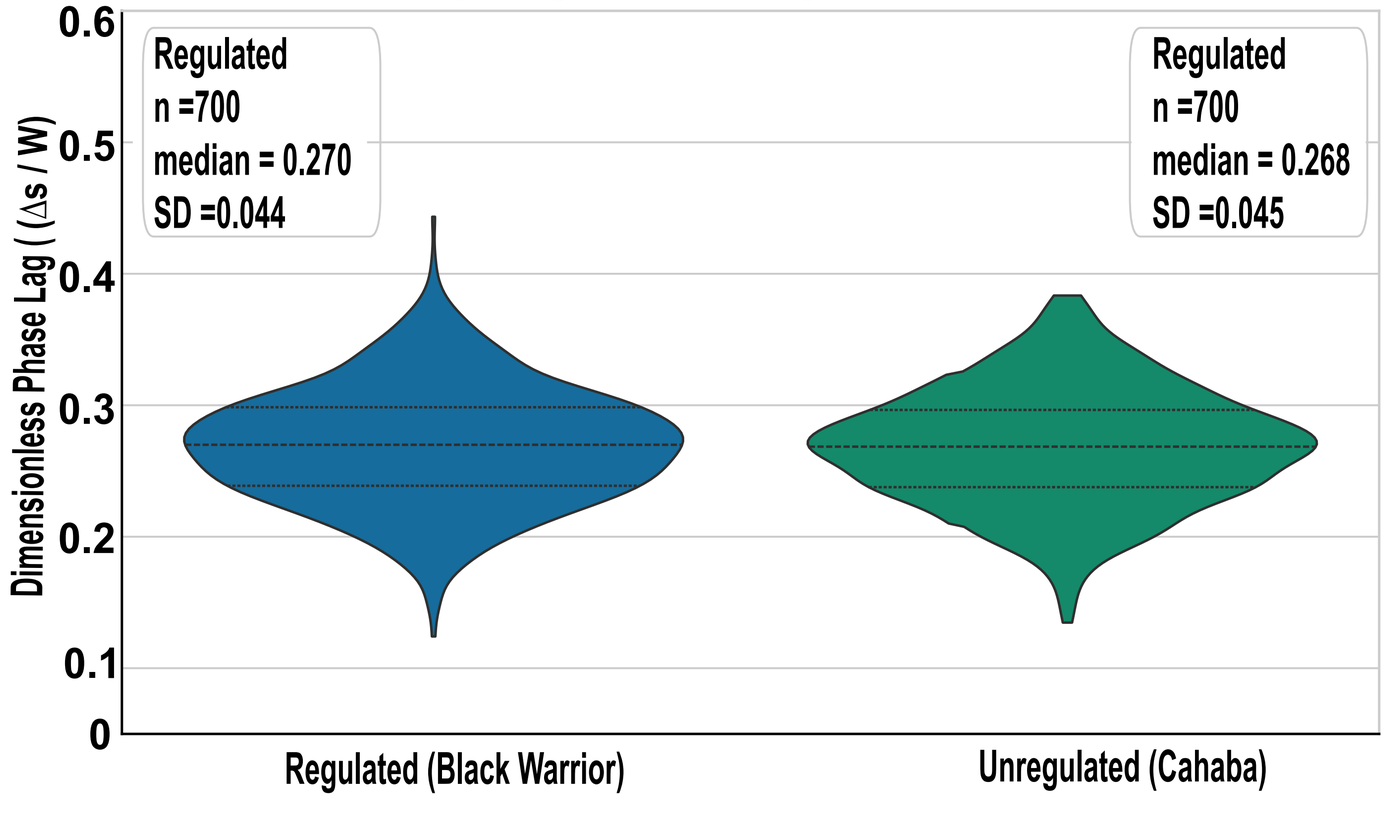
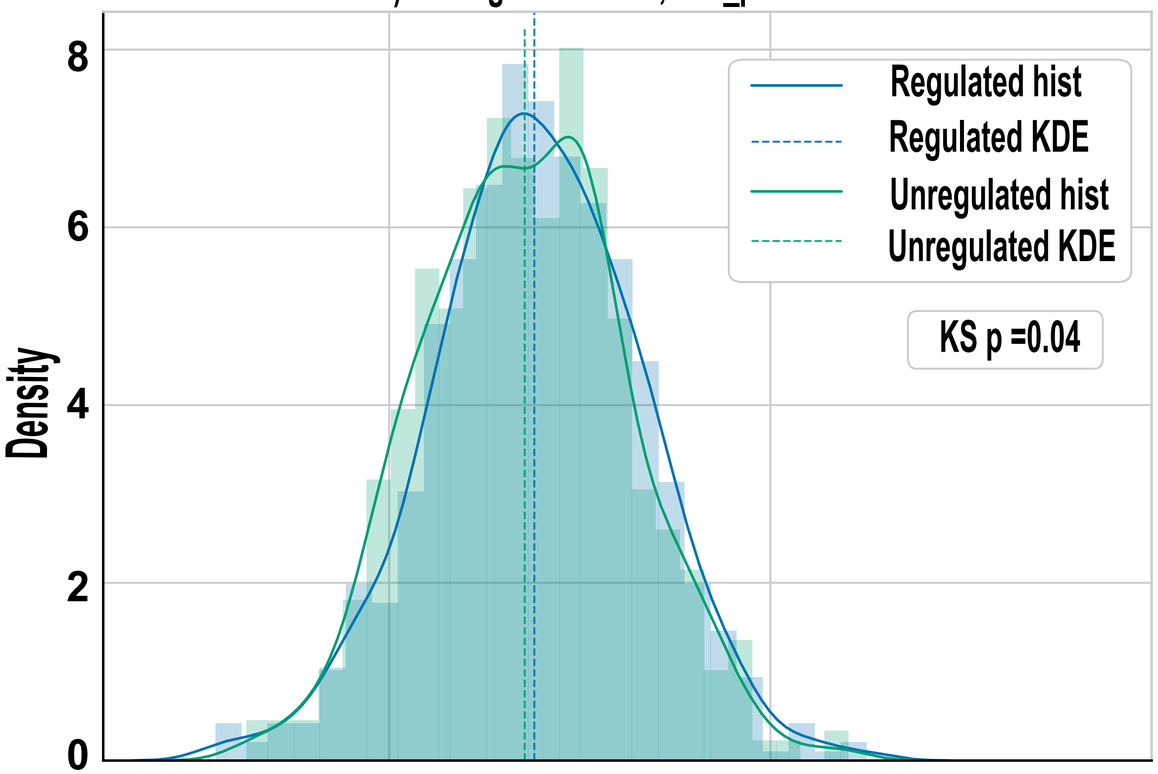
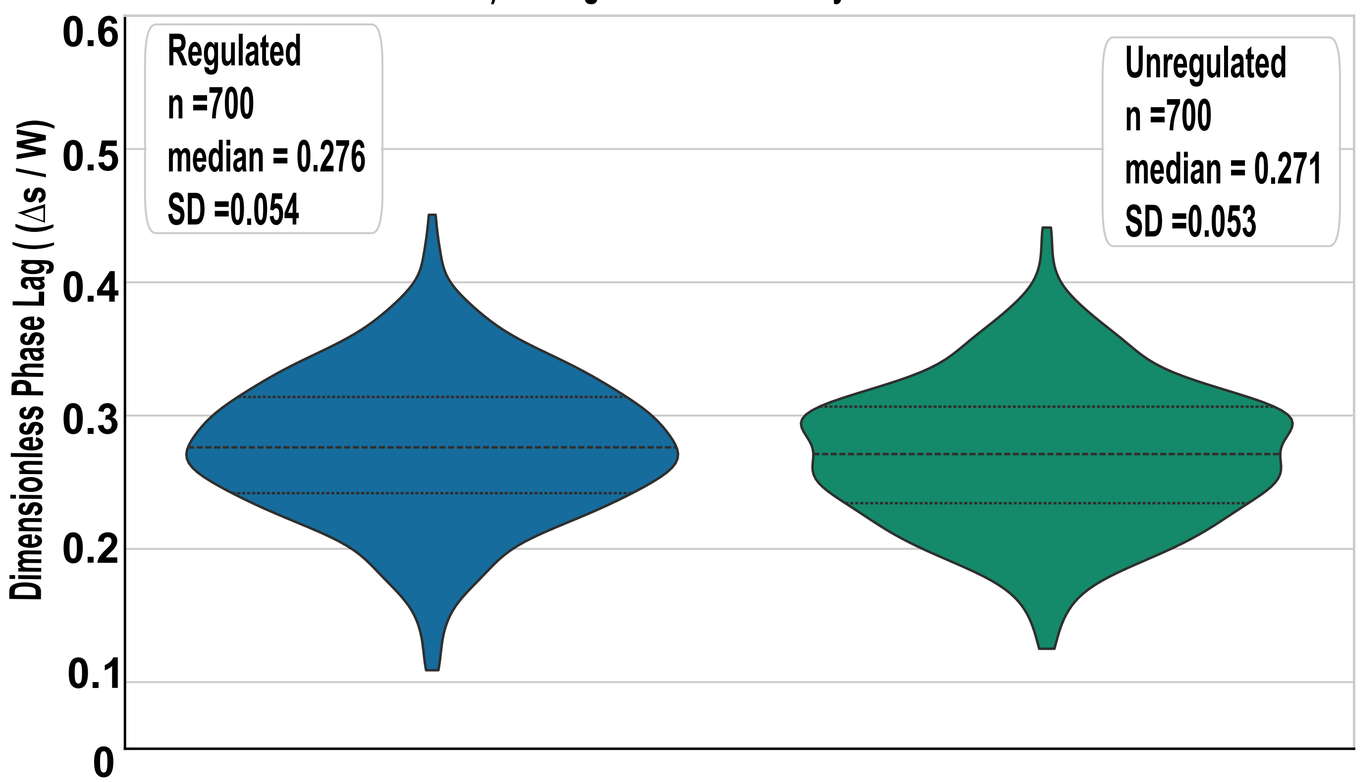
a) Settings 1: tol * 1.0, min_pairs = 5



b) Settings 1: Distribution by River



c) Settings 2: tol * 2.0, min_pairs = 5



d) Settings 2: Distribution by River