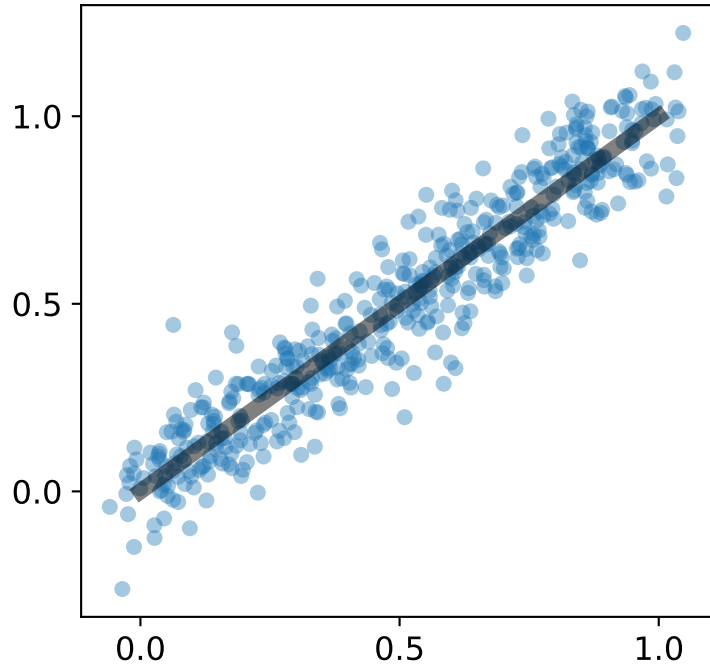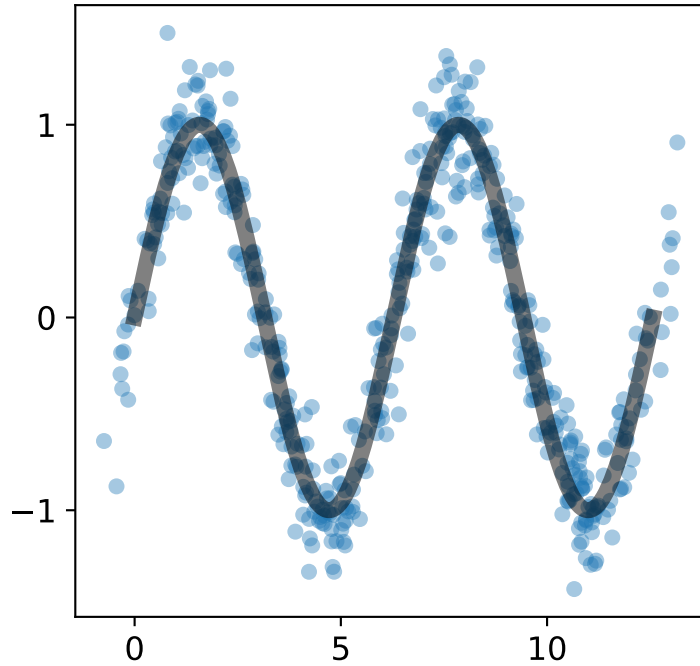2d_linear   2d_sine   2d_ring