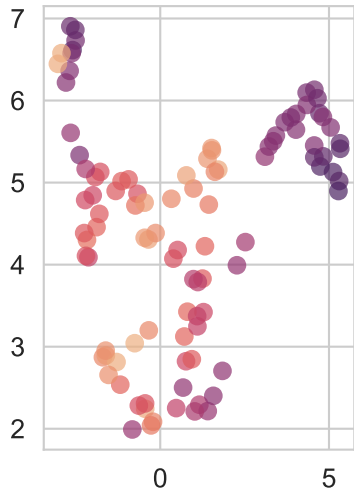
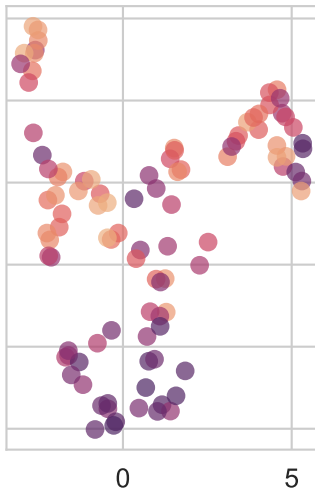
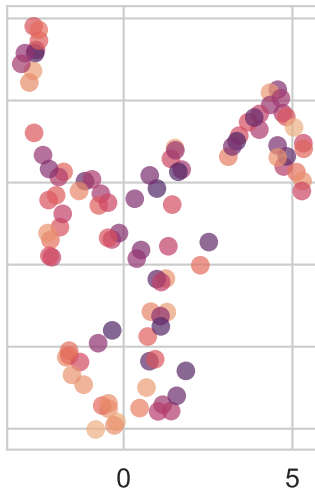


$\log_{10}(m_{\text{dir}})$  $\log_{10}(m_{\text{rand}})$  $\log_{10}(w)$  $\log_{10}(a)$ 