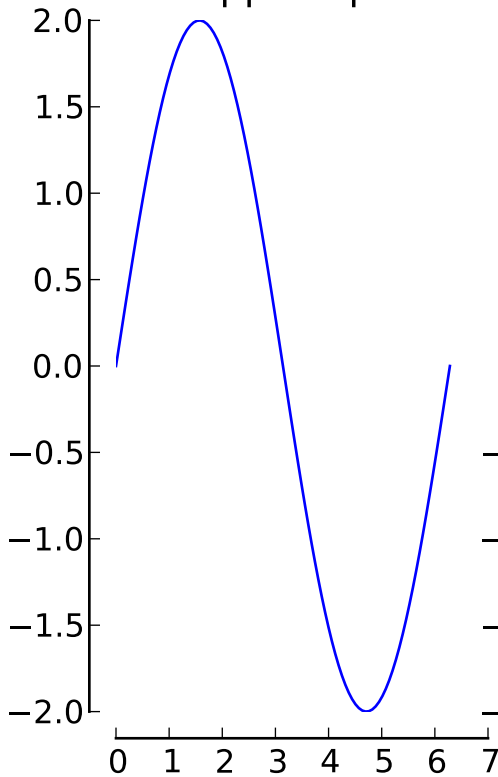dropped spines

normal spines