

# Sheaves

- Motivation
- Def.
- A couple of cool examples
- $\text{Sh}(X) \cong \text{Et spaces} \rightarrow$
- $\text{Set}^X \cong \text{Set}/_X$
- $\text{Set}^{(X)}$   $\leftarrow$   $\text{Top}/_X$
- "Sheafification"

examples  
w/  $C^\infty$ -  
manifolds