Calculate the elasticity between two points

Calculate the elasticity at one point

Calculate the resulting change in quantity supplied given the elasticity and the change in price

Calculate the necessary change in *price* given the elasticity and the change in quantity supplied

Calculate the resulting change in Equilibrium Price when demand shifts (right or left)

Calculate the resulting change in Equilibrium Price when supply shifts (right or left)

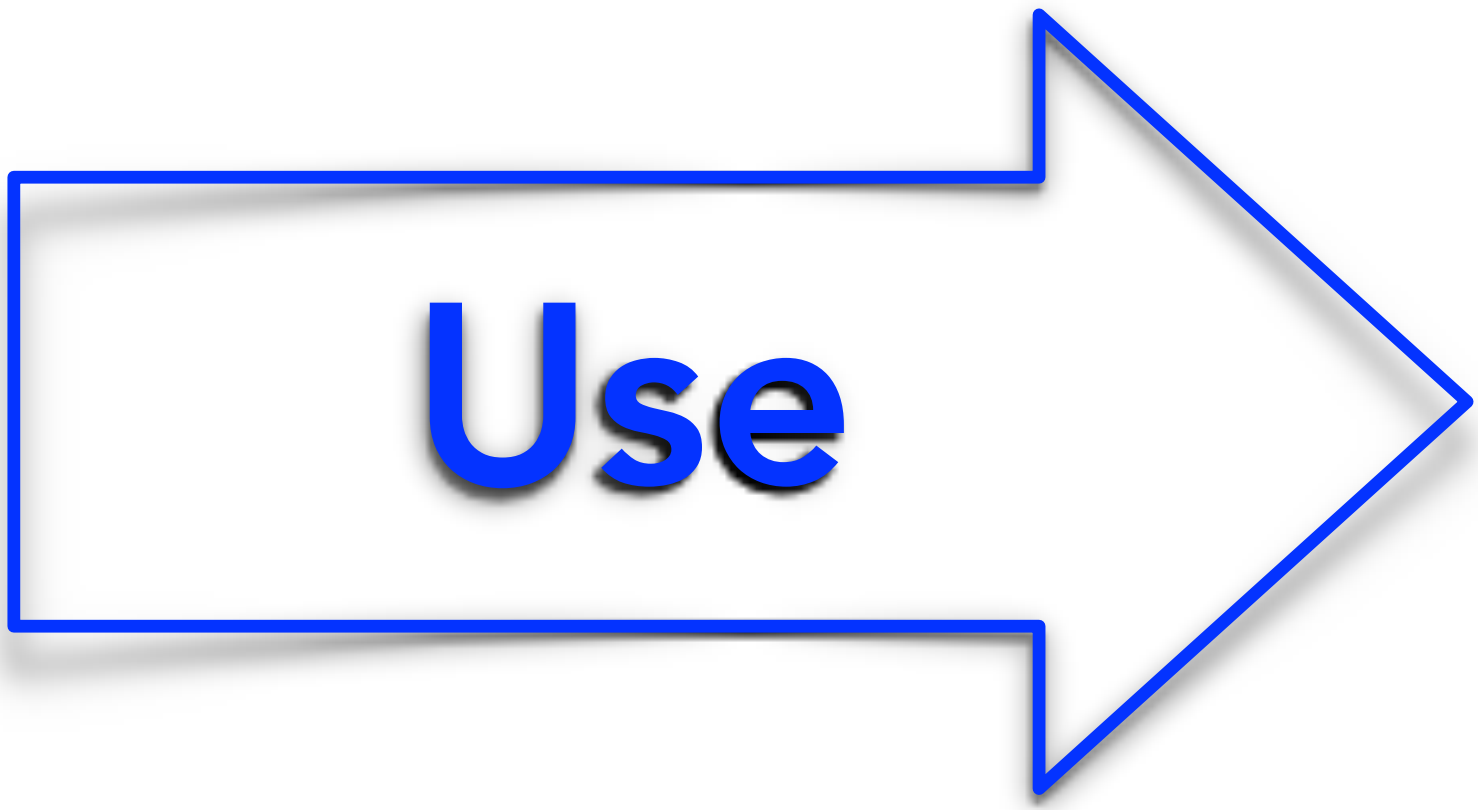
$$e_p^S = \frac{\%\Delta Q^S}{\%\Delta P}$$

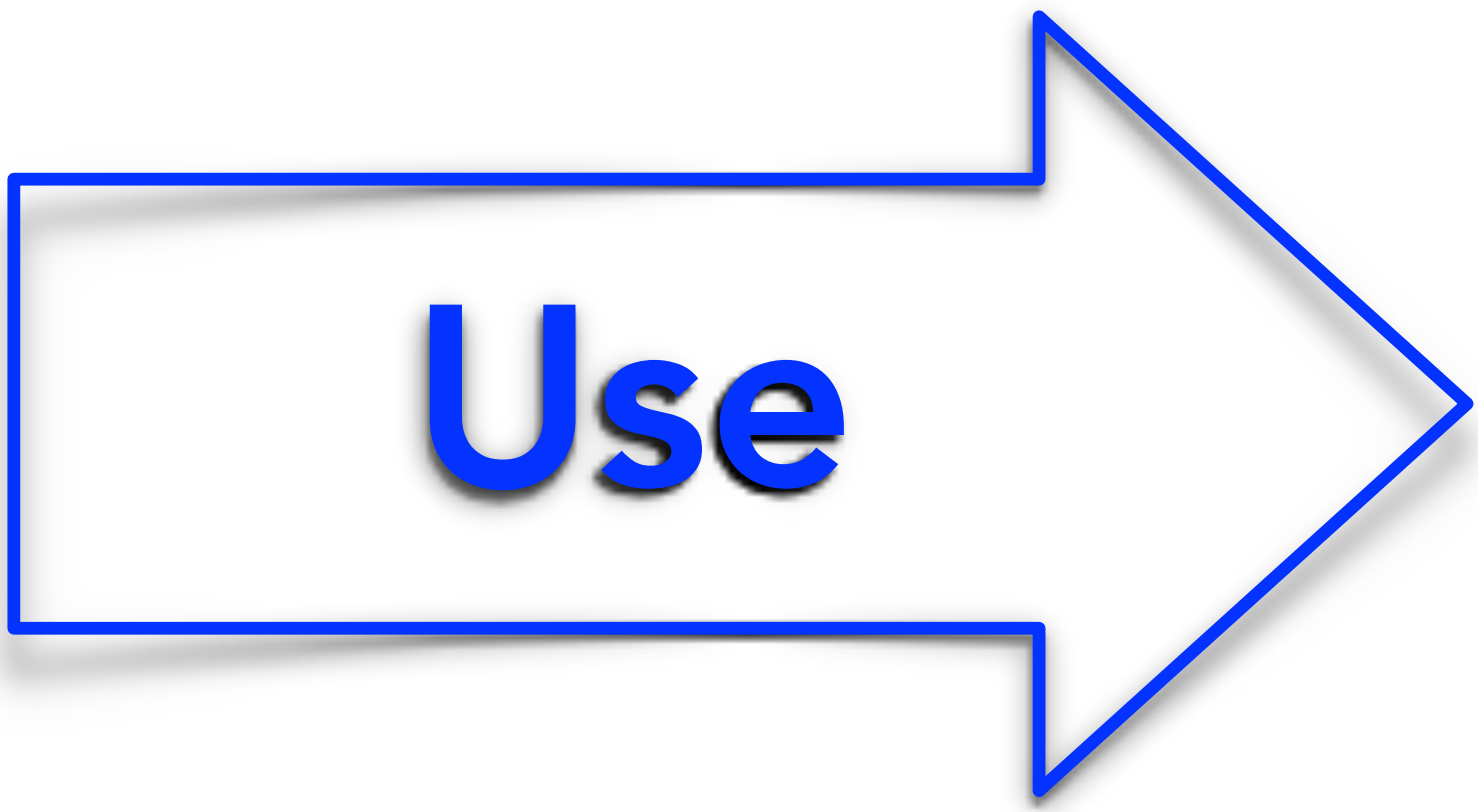

%ΔQ^S = e_p^S x %ΔP

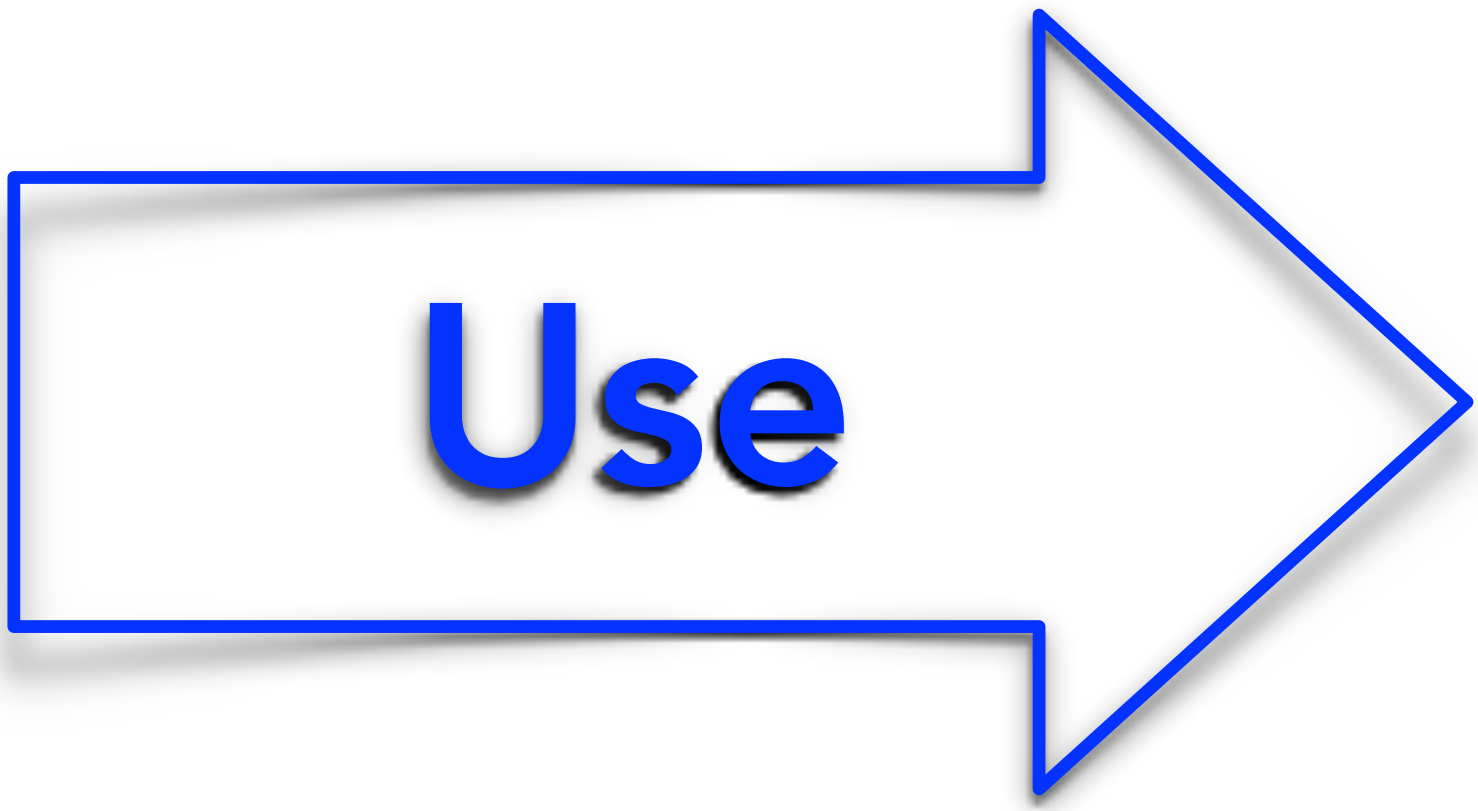
$$\%\Delta P = \frac{\%\Delta Q^{S}}{e_{p}{}^{S}}$$

$$\%\Delta \text{Equilibrium Price} = -\frac{\%\Delta \text{Supply}}{(|e^d| + e^s)}$$

$$\%\Delta \text{Equilibrium Price} = \frac{\%\Delta \text{ Demand}}{(|e^d| + e^s)}$$


Use


Use


Use

Calculate the elasticity between two points

Calculate the elasticity at one point

Use $e_p^s = \frac{\%\Delta Q^s}{\%\Delta P}$

Calculate the resulting change in quantity supplied given the elasticity and the change in price

Use $\%\Delta Q^s = e_p^s \times \%\Delta P$

Calculate the necessary change in *price* given the elasticity and the change in quantity supplied

Use $\%\Delta P = \frac{\%\Delta Q^s}{e_p^s}$

Calculate the resulting change in Equilibrium Price when demand shifts (right or left)

$$\%\Delta \text{Equilibrium Price} = \frac{\%\Delta \text{ Demand}}{(|e^d| + e^s)}$$

Calculate the resulting change in Equilibrium Price when supply shifts (right or left)

$$\%\Delta \text{Equilibrium Price} = -\frac{\%\Delta \text{Supply}}{(|e^d| + e^s)}$$

Price elasticity of Demand