Price (USD) = –6.71 + 2.04 Weight(lb)

Δ 1 lb Weight ➔ Δ 2.04 USD Price

Si Δ 1 kg Weight ➔ Δ (1/0.453) lb Weight ➔ Δ 2.04/0.453 USD Price ➔ Δ 4.51 USD Price

Price (USD) = –6.71 + 4.51 Weight(kg)

Si Δ 1 kg Weight ➔ Δ 4.51 USD Price ➔ Δ 4.51. USD 0.78 EUR/USD Price ➔ Δ 3.52 EUR Price

Price (EUR) = –5.82 + 3.52 Weight(kg)

Beta' = Mitjana[Price(EUR)] – 3.52 * Mitjana[Weight(kg)] =

= 6165.25 * 0.78 – 3.52*3019.46*0.453 = 4808.9 – 3.52 * 1367.82 = – 5.82

Price (USD) = 13419 – 7.27 Weight(lb) + 0.0015 Weight^2 (lb^2)

$$\frac{\partial \text{Price}}{\partial \text{Weight(lb)}} = \text{-7.27+0.0030 Weight (lb)}$$

Si Weight(lb) = 2500 ➔ Δ 1 lb Weight ➔ –7.27 + 0.0030 * 2500 = Δ 0.23 USD Price

Si Weight(lb) = 3019 ➔ Δ 1 lb Weight ➔ –7.27 + 0.0030 * 3019 = Δ 1.79 USD Price

Si Weight(lb) = 4000 ➔ Δ 1 lb Weight ➔ –7.27 + 0.0030 * 4000 = Δ 4.73 USD Price

Price (USD) = 13419 – 7.27 * (1/0.453) Weight(kg) + 0.0015*(1/0.453)^2 Weight^2 (kg^2)

Price (USD) = 13419 – 16.055 Weight(kg) + 0.00738 Weight^2 (kg^2)

Price (EUR) = XXXXX – 16.055*0.78 Weight(kg) + 0.00738*0.78 Weight^2 (kg^2)

Price (EUR) = 10467 – 12.52 Weight(kg) + 0.0057 Weight^2 (kg^2)

Si Weight(kg) = 1000 ➔ Δ 1 Kg Weight ➔ –12.52 + 0.0114 * 1000 = Δ –1.12 EUR Price

Si Weight(kg) = 2000 ➔ Δ 1 Kg Weight ➔ –12.52 + 0.0114 * 2000 = Δ 10.28 EUR Price

Si Weight(kg) = 3000 ➔ Δ 1 Kg Weight ➔ –12.52 + 0.0114 * 3000 = Δ 21.68 EUR Price

Price (USD) = –37678 + 5494.99 Log(Weight(lb))

Δ 1% lb Weight ➔ Δ (5494.99/100) USD Price ➔ Δ 54.9499 USD Price

Price (USD) = –67818 + 9140.82 Log(Weight(lb)) + 457.35 FOREIGN*Log((Weight(lb))

Si FOREIGN = 0 (USA)

Δ 1% lb Weight ➔ Δ (9140.82/100) USD Price ➔ Δ 91.4082 USD Price

Si FOREIGN = 1 (no USA)

Δ 1% lb Weight ➔ Δ [(9140.82+457.35)/100] USD Price ➔ Δ 95.9817 USD Price

Log(Price (USD)) = 7.18 + 0.0004338 Weight(lb) +0.00022266 FOREIGN* Weight(lb)

Si FOREIGN = 0 (USA)

Δ 1 lb Weight ➔ Δ (0.0004338*100)% USD Price ➔ Δ 0.04338% USD Price

Si FOREIGN = 1 (no USA)

Δ 1% lb Weight ➔ Δ [(0.0004338+0.00022266)*100]% USD Price ➔ Δ 0.0656% USD Price