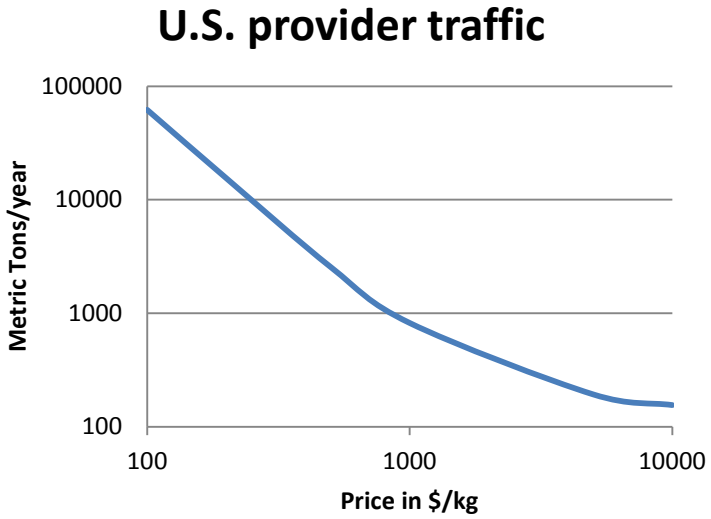
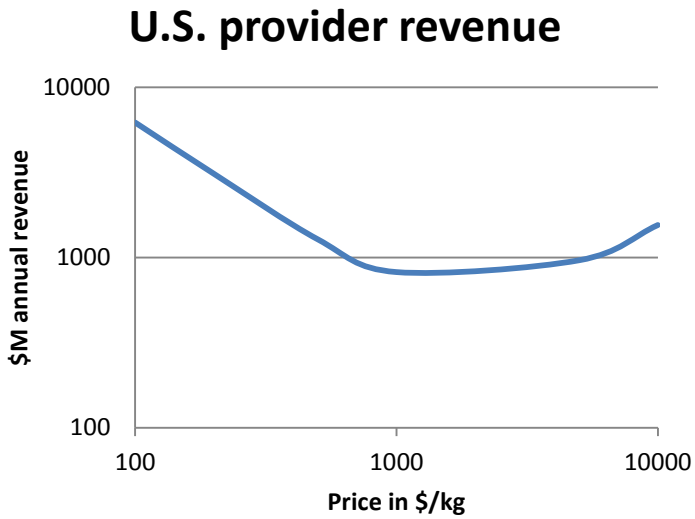
Space launch market

(Values are illustrative and qualitative)





This region of negative elasticity creates a “barrier price” that must be beaten before significant market expansion

That price is in the range of $300-$800/lb for payloads, $1-$5M per person

Cost of a flight (follows Sänger)

$$\frac{\left[\frac{Annual\ Cost\ of\ Production\ Line}{\#\ Ships\ Built\ Per\ Year} + Cost\ of\ Materials\right]}{\#\ flights\ in\ economic\ lifetime\ of\ ship} +$$

$$+ \frac{Annual\ Cost\ of\ Operations\ Team}{\#\ flights\ per\ year}$$

$$+[Cost\ of\ spares\ and\ propellant]$$

(then divide by payload capacity to get cost/kg)