(Dennis Weeks & OWE 537
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Empirical facts about technical development

1. Learning function, empirical; For a model only
Generalisation.
Transition from one model to the other
Initial cost arbitrary!!!

$N^{-1/3}$ doesn't cost of N-th man airframe exhibition!!

2. Scale factors - economies

3. Negative Binomial of Sahal !?

4. Productivity data

learning proceeding on various stages (levels); On the factory level - progress function On the level of innovations in usual sense which start new kinds of plant

Two dimensions of Technical progress:
Time - learning
Scale of production (Volume of products)

this is relevant for productivity!

$Y_i = a x_i^{-k}$

airframe: $a N^{-1/3}$

Integral: $\frac{a}{1-\frac{1}{3}} N^{1-\frac{1}{3}}$

$= \frac{3}{2} a N^{2/3}$ → large scale!