

Size, age and productivity of scientific and technical research groups

Author: [J. Cohen](#)¹

[VIEW MORE](#) +


DOI: <https://doi.org/10.1007/bf02019761>

Page Count: 395–416

Publication Date: 26 Mar 1991

Online Publication Date: 06 Aug 2005

Article Category: Research Article

 Restricted access



ABSTRACT/EXCERPT

Abstract

Varied empirical studies show that the average output (measured in various ways) of a scientific or technical research group is directly proportional to its size (also measured in various ways), when the size and output are measured independently. Hence groups of different sizes have the same average output per unit of size. There is no reliable evidence for the existence of a size or a range of sizes for a research group that maximizes output per unit of size. Present theoretical explanations for the proportionality between size and output are largely inadequate or untested. Similarly, among reported results on group age and output, the only consistency so far is that age, measured as years since the founding or first functioning of the group, is uncorrelated with output per capita. Again, there is no evidence for the existence of an age or a range of ages for a research group that is optimal.

[BROWSE TITLES](#) [SUBJECTS](#) [SUBSCRIPTIONS](#) [FREQUENTLY ASKED QUESTIONS](#)
[FOR AUTHORS](#) [LIBRARIANS](#) [ABOUT US](#) [JOURNALS](#)
[TERMS OF USE](#) [PRIVACY POLICY](#) [CONTACT US](#) [NEWSLETTER](#)
[SCIENCE BOOKS](#) [AKADEMIAI.HU](#) [SCIENTIFIC CONFERENCES](#) [ONLINE DICTIONARY](#)

Copyright Akadémiai Kiadó
AKJournals is the trademark of Akadémiai Kiadó's journal publishing business branch.



AKADÉMIAI KIADÓ

Planned article update: March 2021. Highlights. Tweet. The professional, scientific and technical persons employed in the EU in 2017. Tweet. The professional, scientific and technical activity in the EU in 2017. This article presents an overview of statistics for the European Union's (EU) professional, scientific and technical activity in 2017. To maximize scientific progress and productivity it is important to develop incentives for individual scientist with the interests of the scientific community and society as a whole [20, 21]. Incentives can be developed, but of course more work is needed to develop and validate alternative incentives. EDITORS Santa Treija Signe Skujeniece © Latvia University of Agriculture, 2014 The ethical statements are based on COPE's Best Practice Guidelines: http://www2.ltu.lv/research_conf/proceedings. The authors thank the organizers and the sponsors for their great support to the conference and proceedings. On behalf of the Conference "Research for Rural Development 2014". Effect of FARM SIZE on the productivity of dairy farms. Jonkus. Relationship between body condition score, milk productivity.



Print ISSN: 0138-9130

Online ISSN: 1588-2861

[NEW ISSUE ALERTS](#)

[ONLINE FIRST ALERTS](#)

Search within Journal...



Issue



Journal

^ CONTENT METRICS

Monthly Content Usage

	Abstract Views	Full Text Views	PDF Downloads
May 2020	0	0	1
Jun 2020	0	1	1
Jul 2020	0	0	0
Aug 2020	2	0	0
Sep 2020	2	1	2
Oct 2020	4	0	0
Nov 2020	2	0	0

∨ MOST POPULAR

Problems of quantitative analysis of scientific activities: The non-additivity of data