

Open Educational Resources Available by Discipline

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INTRODUCTION

The Babson Survey Research Group's 2017 survey revealed that 47% of faculty think there are too few open education resources (OER) for their subject area. Finding ways to visualize OER that are available by discipline may help counter faculty opinion and guide more productive searches for the OER that already exists. This poster session shares visualizations developed from a variety of data: Grouping available OER by discipline (Arts and Literature, Business Administration, Computer and Information Science, Economics, Education, Engineering, Humanities, Law, Linguistics / Language, Mathematics, Medicine, Natural Sciences, Philosophy, Psychology, Social Sciences, and Other). Measuring the amount of OER types (textbook, full-course, assignment, activity, other) within each discipline.

OBJECTIVES

Identify how many Open Educational Resources are available in each discipline in order to understand if there are subject areas without enough resources.

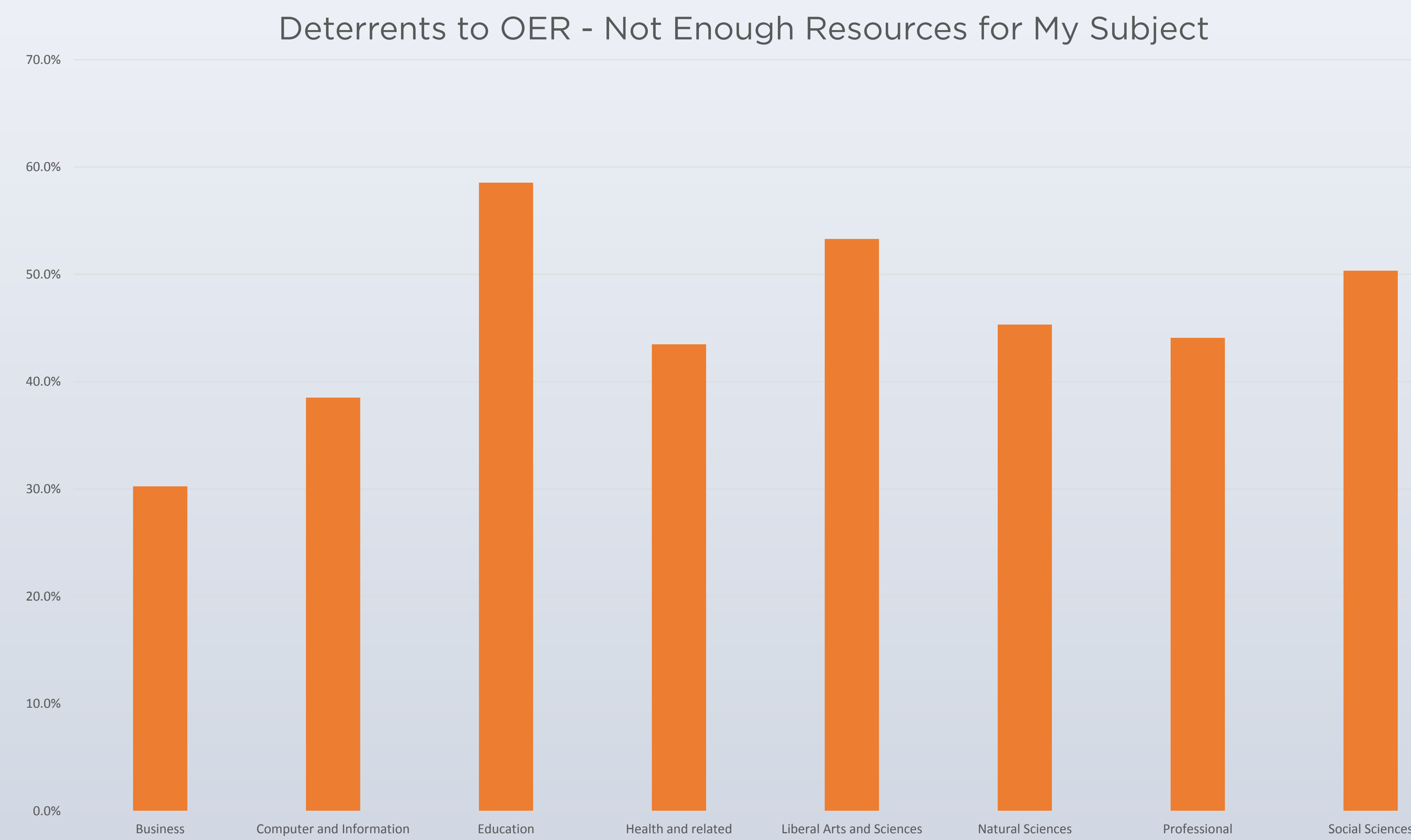
Compare faculty responses of "not enough resources for my subject" by discipline with the amount of resources available by discipline.

Examine the types of OER available by discipline to identify if a subject area lacks a certain type of resource.

METHODS

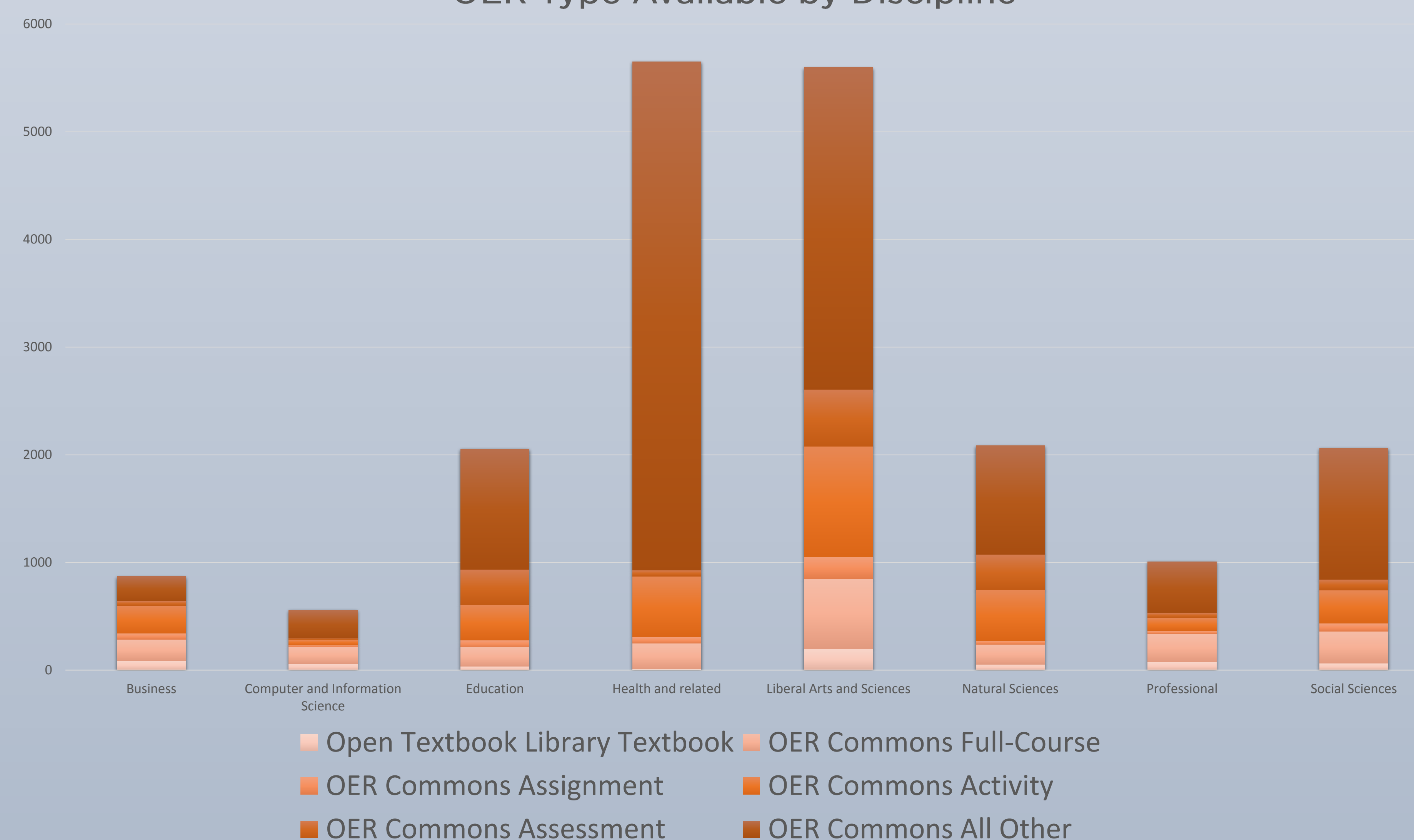
Counted the number of textbooks available on the Open Textbook Library for each subject and grouped the subjects into the discipline areas identified by the Babson Survey. Counted the number of OER available on OER Commons for the education level of community college, college, and graduate levels for each discipline area. Within each discipline area, counted the material type of full-course, assignment, activity, and other.

RESULTS



Seaman, J. E., & Seaman, J. (2017). Opening the Textbook: Educational Resources in US Higher Education, 2017. Babson Survey Research Group. This information is released under a Creative Commons Attribution-ShareAlike 4.0 International License

OER Type Available by Discipline



LIMITATIONS

The Babson Survey, OER Commons, and the Open Textbook Library categorize subjects into different overarching discipline groups. To compare the OER available by discipline to the discipline groups identified in the Babson Survey, the researcher re-categorized subjects in OER Commons. Only OER Commons and the Open Textbook Library materials were examined for this study.

DISCUSSION

Faculty in all eight disciplines covered by the Babson Survey selected "Not enough resources available for my subject" as a deterrent to adopting OER. The percentage of faculty who chose this deterrent ranged from 30.3% in Business to 58.5% in Education. Through OER Commons, Computer and Information Science (498 resources) and Business (783 resources) had the lowest total OER available. While Health had the highest total OER available in OER Commons (5643) only nine textbooks were available in this subject on the Open Textbook Library.

ACKNOWLEDGEMENTS

I would like to thank the Babson Survey Group for providing data about faculty barriers to OER by discipline. Data is available at <https://www.onlinelearningsurvey.com/oer.html>.

Also, I would like to acknowledge support of the OER research fellowship program provided by the open education group (openedgroup.org).

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