

Writing an Abstract for a Research Manuscript: Providing an Honest, Succinct and Complete Summary

Sandeep B Bavdekar¹, Nithya J Gogtay²

Abstract

Abstract is a vital part of a research paper. Besides the title, it is the most widely read section of an article. The first impressions created by the abstract on editors and reviewers can have a great influence on the fate of the article. After its publication, a reader might decide to give the article a miss, if he finds the information provided in the abstract uninteresting, irrelevant or uninspiring. An abstract should, therefore, be packed with all important relevant information about the study, so that reviewers and readers understand the rationale of the study, are assured of adequacy of the methodology employed, are informed about the important findings and appreciate the reasonable conclusions stated in the abstract. Brevity, self-sufficiency, providing complete and accurate information in an unbiased manner are some of the important characteristics of a good abstract.

Introduction

An abstract is a summary of a full article. Annesley¹ has rightly compared abstract to an 'elevator talk', wherein an author summarizes the important information the paper conveys with an aim of getting the reader interested in the idea, enticing him to read the whole manuscript. It is, therefore imperative that authors give great attention to writing a good abstract for their paper. The importance of an abstract cannot be over-emphasized. After the title, it is the most commonly read part of a manuscript.¹ Once a manuscript is submitted to a journal for consideration for publication, editors read the abstract to check if the article is likely to meet the preliminary criteria for processing it further. On the basis of the first impressions made by the title and

the abstract, they try to determine if the article would be of interest and relevance to the journal's readership. If they decide to send it for peer review, the prospective reviewers are generally provided access only to the abstract before they agree to review the whole paper. Abstract is the only part of the article that readers get to see when they search through electronic databases² and several journal websites allow the non-subscribers access to the abstract alone.¹ Once published, most readers decide to read the paper only if they find the abstract interesting or stimulating. Here, an abstract acts as a trailer.¹ If readers are unimpressed by the information contained in the

abstract, they might perceive the study to be weak and simply move on to the next paper.¹ Although various types of articles (reviews, case reports, opinion article, etc.) have abstracts, this article will discuss abstracts in the context of research articles.

Types of Abstracts

Abstracts can be descriptive or informational.³ The descriptive abstracts only portray what the paper contains without providing any details. The reader is required to read the entire article to know what the article really contains. Such abstracts are usually ultra-short (75-150 words) and are rarely used for original research articles. They are more commonly seen with Case Reports, reviews and opinion articles; articles that do not contain original research data.¹ In contrast, informational abstracts intend to provide a gist of what the research article contains and are, therefore, built in the form of a synopsis of the entire article. They include details of the research study and have enough material information to act as a proxy for the entire paper.³ Informational abstracts can be unstructured or structured. Unstructured (also called as non-structured) abstracts are free-flowing and as the name suggests,

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Wendy Heath



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Engineering Research Herman Tang,2020-12-03 Master the fundamentals of planning preparing conducting and presenting engineering research with this one stop resource Engineering Research Design Methods and Publication delivers a concise but comprehensive guide on how to properly conceive and execute research projects within an engineering field Accomplished professional and author Herman Tang covers the foundational and advanced topics necessary to understand engineering research from conceiving an idea to disseminating the results of the project Organized in the same order as the most common sequence of activities for an engineering research project the book is split into three parts and nine chapters The book begins with a section focused on proposal development and literature review followed by a description of data and methods that explores quantitative and qualitative experiments and analysis and ends with a section on project presentation and preparation of scholarly publication Engineering Research offers readers the opportunity to understand the methodology of the entire process of engineering research in the real word The author focuses on executable process and principle guided exercise as opposed to abstract theory Readers will learn about An overview of scientific research in engineering including foundational and fundamental concepts like types of research and considerations of research validity How to develop research proposals and how to search and review the scientific literature How to collect data and select a research method for their quantitative or qualitative experiment and analysis How to prepare present and submit their research to audiences and scholarly papers and publications Perfect for advanced undergraduate and engineering students taking research methods courses Engineering Research also belongs on the bookshelves of engineering and technical professionals who wish to brush up on their knowledge about planning preparing conducting and presenting their own scientific research

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providing practical easy to follow advice on how to conduct a first research project Unlike most texts with hypothetical examples this text with real examples written by a variety of published researchers makes research methods come alive Students see how research methods are used to explore important contemporary problems Factual Questions at the end of each chapter help students review key concepts covered in the chapters Questions for Discussion encourage students to consider specific techniques and strategies that they might use while conducting their research

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