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| Book Name: | [Science and Technology: Developments and Applications](https://www.bookpi.org/bookstore/product/science-and-technology-developments-and-applications-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5117** |
| Title of the Manuscript:  | **Analyzing Long-Term Memory in Indigo Airlines' Air Traffic Using ARFIMA Models** |
| Type of the Article | **BOOK CHAPTER** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH VOLUME 8, ISSUE 10, OCTOBER 2019.**

**Available:** [**https://www.ijstr.org/final-print/oct2019/Time-Series-Analysis-For-Long-Memory-Process-Of-Air-Traffic-Using-Arfima.pdf**](https://www.ijstr.org/final-print/oct2019/Time-Series-Analysis-For-Long-Memory-Process-Of-Air-Traffic-Using-Arfima.pdf)

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | 1. **What were the principal discoveries about long-term dependency in Indigo Airlines' air traffic?**
2. **What is the resilience of your results to various estimating methodologies?**
3. **What methodology did you employ to assess long-term memory in the data prior to using ARFIMA?**
4. **Which estimating method did you employ for ARFIMA parameters and what is the rationale behind your choice?**
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| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Yes** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **Yes** |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **Yes** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **Yes** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes |  |
| Optional/General comments |  |  |

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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?**  | *(If yes, Kindly please write down the ethical issues here in detail)* |  |

 **Reviewer details:**

 **G. Arulkumaran, REVA University, India**