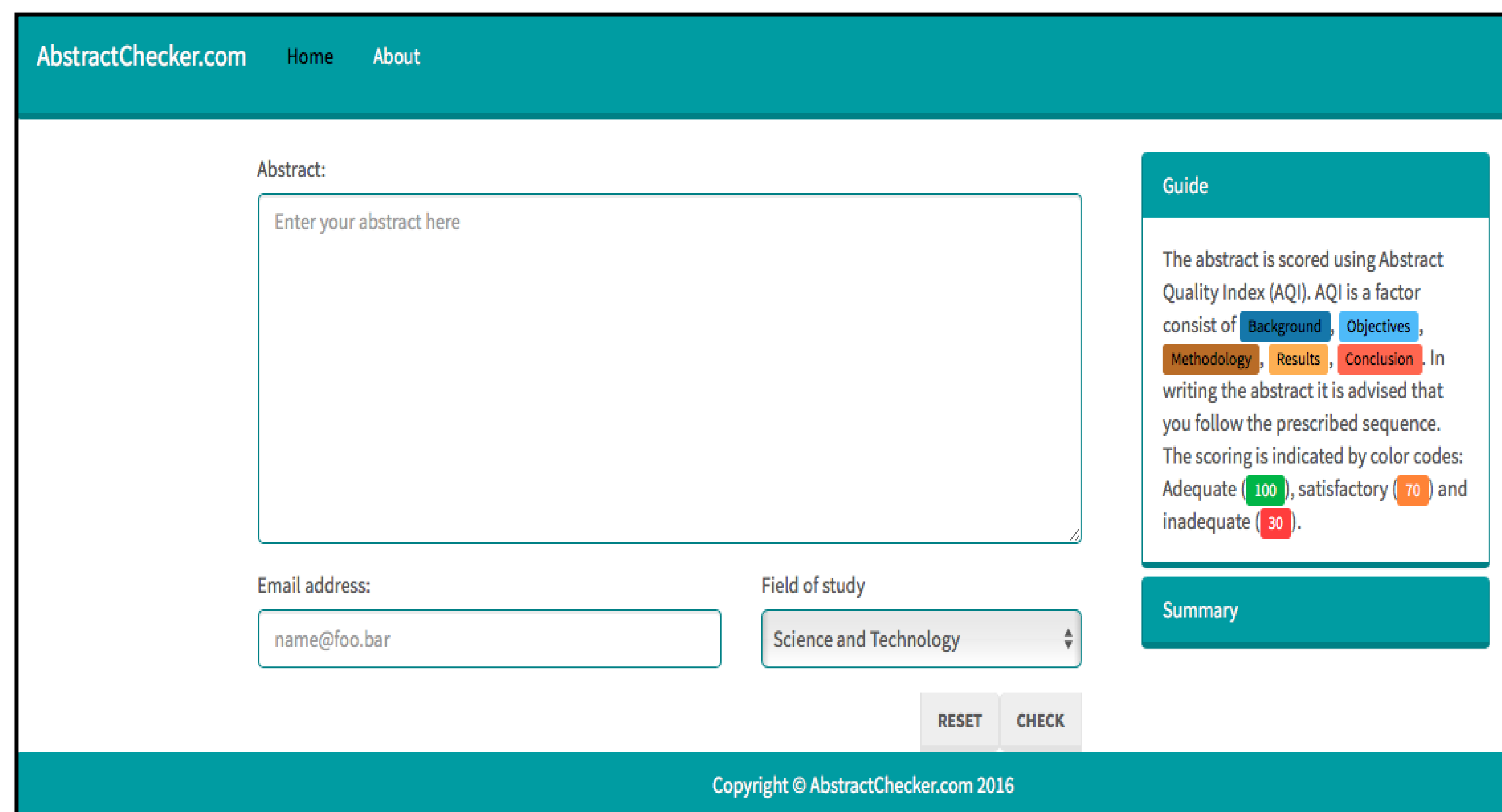


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Guide

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Summary



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The uniqueness of the software development is the **Abstract Quality Index (AQI)** which is a value that indicates the overall quality of an abstract. This is done by comparing a list of keywords related to each move of an abstract with an uploaded abstract in the interface of the software. The adequacy of each move is measured by different color codes: Green – Adequate (100%), Dark Orange – Satisfactory (70%) and Dark Pink – Inadequate (30%).

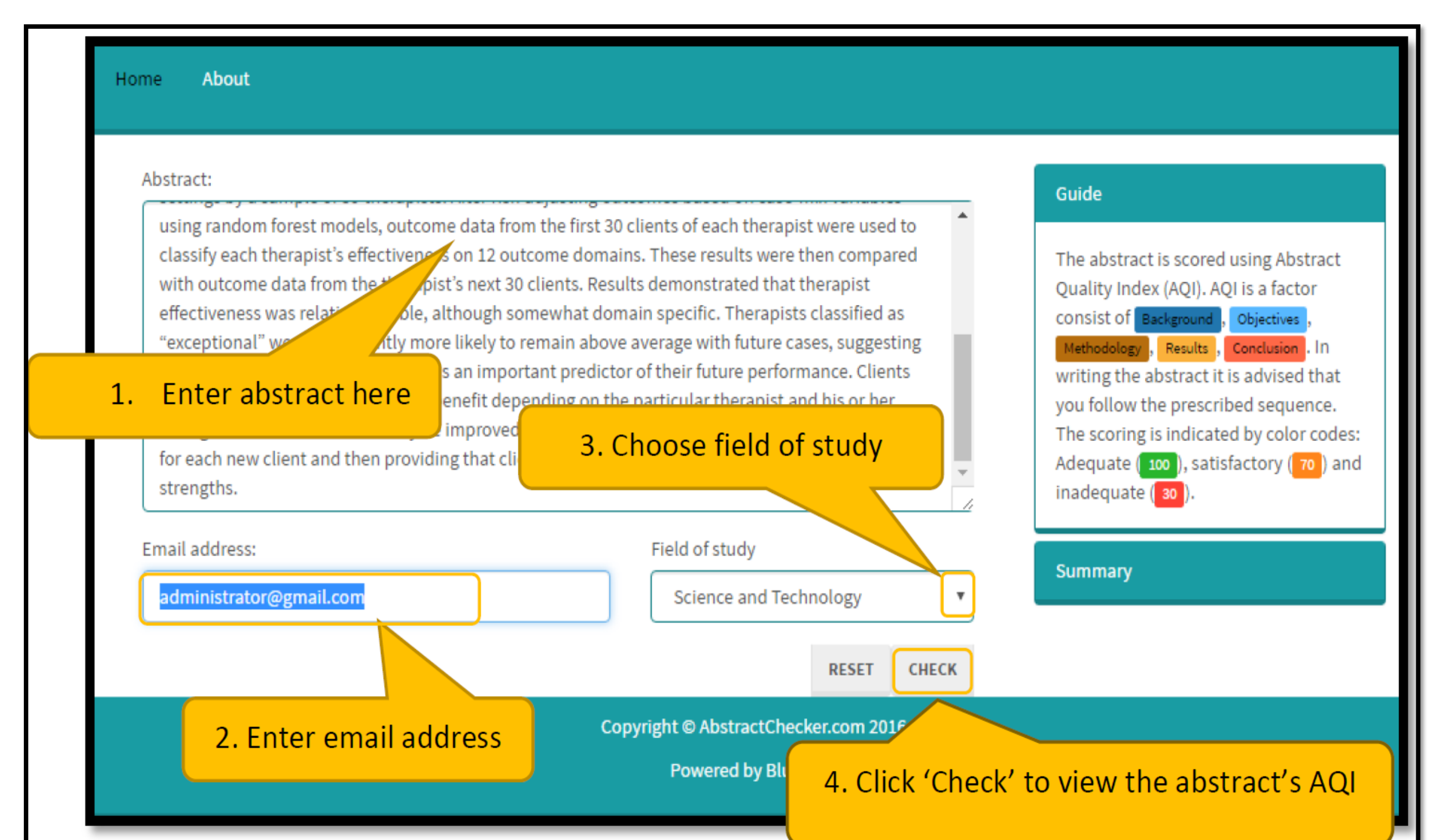
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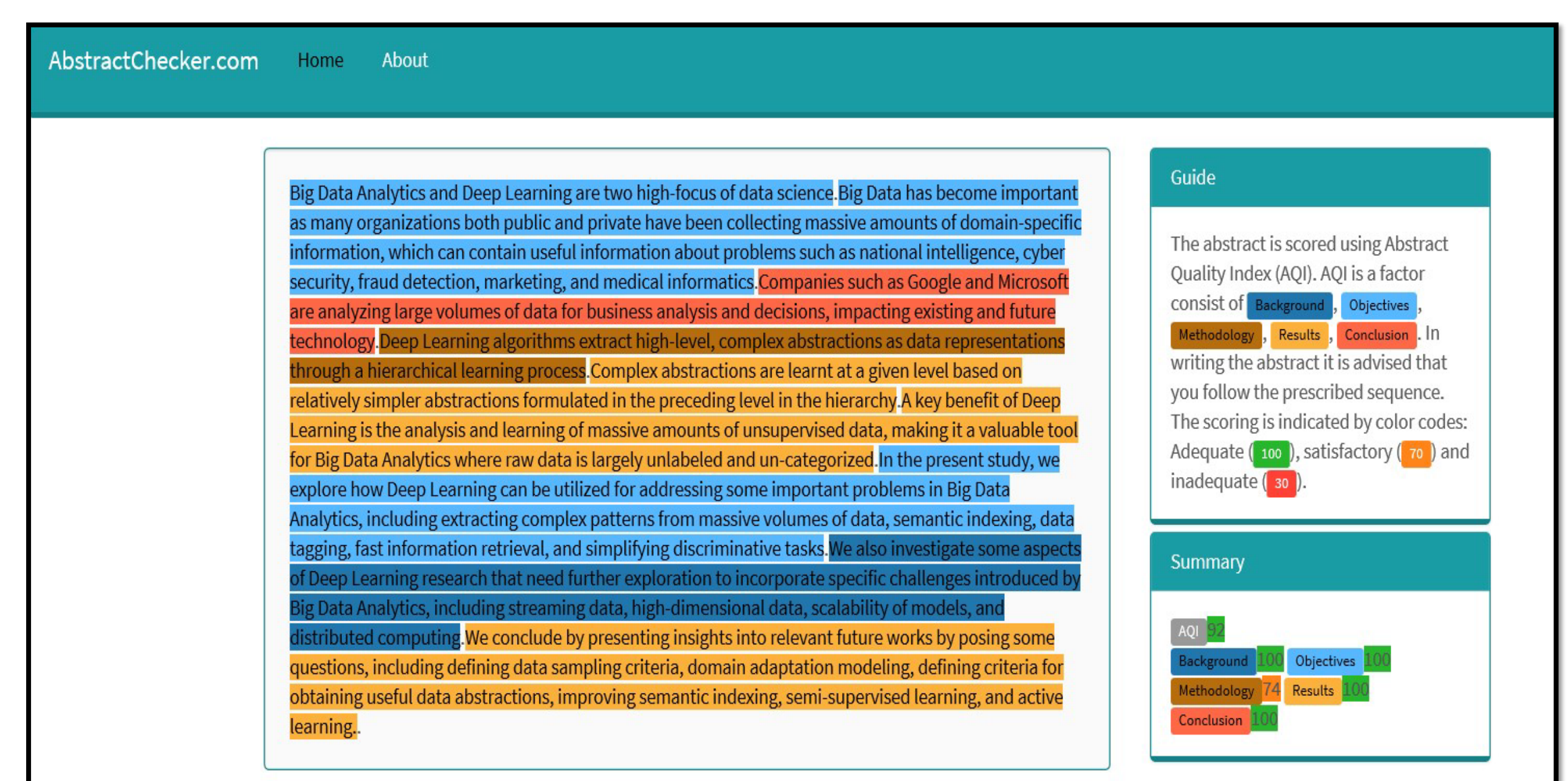


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Big Data Analytics and Deep Learning are two high-focus of data science. Big Data has become important as many organizations both public and private have been collecting massive amounts of domain-specific information, which can contain useful information about problems such as national intelligence, cyber security, fraud detection, marketing, and medical informatics. Companies such as Google and Microsoft are analyzing large volumes of data for business analysis and decisions, impacting existing and future technology. Deep Learning algorithms extract high-level, complex abstractions as data representations through a hierarchical learning process. Complex abstractions are learnt at a given level based on relatively simpler abstractions formulated in the preceding level in the hierarchy. A key benefit of Deep Learning is the analysis and learning of massive amounts of unsupervised data, making it a valuable tool for Big Data Analytics where raw data is largely unlabeled and un-categorized. In the present study, we explore how Deep Learning can be utilized for addressing some important problems in Big Data Analytics, including extracting complex patterns from massive volumes of data, semantic indexing, data tagging, fast information retrieval, and simplifying discriminative tasks. We also investigate some aspects of Deep Learning research that need further exploration to incorporate specific challenges introduced by Big Data Analytics, including streaming data, high-dimensional data, scalability of models, and distributed computing. We conclude by presenting insights into relevant future works by posing some questions, including defining data sampling criteria, domain adaptation modeling, defining criteria for obtaining useful data abstractions, improving semantic indexing, semi-supervised learning, and active learning.

Guide

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Summary

AQI: [Green] Background: [Green] Objectives: [Green] Methodology: [Dark Orange] Results: [Dark Orange] Conclusion: [Dark Pink]

Colour Code	Meaning
Dark Blue	Background
Light blue	Objectives
Chocolate	Methodology
Orange	Results
Pink	Conclusion
Green	Adequate Score
Dark Orange	Satisfactory Score
Dark Pink	Inadequate Score

SOCIAL BENEFIT

AbstractChecker.com is beneficial specifically to the academic community. Through the use of AbstractChecker.com, a well-written piece of abstract can be produced easily and efficiently for journal publications.



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