Catalogue of Writings

Updated on: 11.30.2022.

Picture above was taken in my backyard.

The Portfolio of
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Preface

I always loved writing. I consider it the strongest skill out of all the skill sets. I believe this is due to my hobby of collecting rare and well-written books. Whenever I read a well-written piece on a random topic, it makes me happy. On the other hand, if I read a terribly written article, I feel sick. Nothing can compensate the minutes and hours I lost while reading those poorly printed articles. On the other hand, the well-written books or articles have won a spot in my private bookshelf.

In this document, I list a catalogue of writings which I can provide. After years of writing and reviewing articles of technical nature, I am able to tell where it needs improvement in an article. In fact, while I was working as a private tutor or research internship, most of my work involved writing a lengthy piece. With writing, I can convey messages in a creatively and concisely with a depth as deep as the low pressure of a tropical cyclone.

Literature Review

I've written numerous literature reviews throughout my graduate studies and external research projects. Literature review is not a mere summary of articles, secondary resources, or evidence. It is a *synthesis* of available information which is then used to derive several, if not, many conclusions or findings. It can be considered an advanced version of an expository essay with an exception that a review may contain actual data analysis, whether it be quantitative (statistical analysis) or qualitative research method (ex. Interview). I wrote literature reviews in following areas: Aviation, Competency-based Training, Sustainable Aviation Biofuel, Tropical Meteorology, Climate Change, Human Factors, Cognitive Engineering.

See published article: Seong, H.S. (2021). Weather and Situation Awareness in Aviation. Bulletin of the Canadian Meteorological and Oceanographic Society.

Media Analysis

Media analysis is both a quantitative and qualitative research method that analyzes a specific social, economic, or environmental phenomenon. It is widely used by social scientists to identify trends in such aforementioned phenomenon. For example, if an author wants to know how people feel about the impacts of climate change, it would require an in-depth survey of media accessed by people such as news reports. Media analysis allows gathering of relevant reports and articles and its results provide summaries of key findings *at the moment* where a phenomena is currently occurring. Whereas a literature review is focused more on academic understanding of a phenomena, media analysis is focused on civilian understanding.

Cognitive Engineering Methods

When I mention this, it refers to *a bundle of tools* that a cognitive engineering experts may use to understand a problem at hand. These tools are useful for understanding cognitive strategies and behaviours of an individual in a specific setting, such as at work or during a task. I have applied a

combination of these methods to training in aviation (ex. fatigue, linguistic challenges). However, it could be applied to any domain as the word 'cognitive' pertains to an individual's internal thought process, not occupation. These methods are useful for modelling behaviours of individuals who are concerned with ergonomic problems.

Book & Article Reviews

In the era of internet, there are tons of (generic) book reviews. But I tend to review books that have geographic qualities. Book reviews are by invitation only, while article review is available upon request. When writing this piece, the author includes a comparison of other articles or books in a similar domain. A swift of criticism as turbulent as a tsunami may also be found as well. It's usually one-page and does not go beyond that.