Health Data Research Organization

Lab for Gaining Health Insights



John Doe

Time frame: January 2020 - July 2020

Supervisor
Prof. Dr. X

Advisor
Name of Advisor
Second Advisor (if there is one)

Introduction

Background or introduction section provides a description of the basic facts and importance of the research area.

- What is your research area?
- What are the motivations of research?
- How important is it for the industry practice/knowledge/community advancement?

Problem Statement

Problem statement provides a clear and concise description of the issues that needed to be addressed.

- What is the specific problem in that research area that you will address?(for example lack of knowledge of a subject)

Objectives

Objectives provide a list of goals that will be achieved thorough the proposed research-

- What are the benefits/impact of that will be generated if the research problem is answered?
- Why would we allow this research to be done?

Literature Review

Provide a summary of previous related on the research problem and their strength and weakness and a justification of your research-

- What is known / what have been done by others? [1]
- Why your research is still necessary? [2]

Research Methodology

- What to do and how to solve the problem and achieve proposed objectives?
- Which research methods(e.g. survey, modeling, case study etc) will be used?

Timline

Sketch of a time line for the thesis with major milestones, e.g.

Time	**Writing/Research**	**Prototype**
Apr - May	– Windowing – Stream slicing – Aggregate sharing	– Get Scotty up and running – First concept of distributed windows – Distributive aggregate functions (e.g. `count`)
May - Sep	– Distributed slices – Distributed sharing – Processing semantics	– Different window types – Aggregate sharing – Algebraic and holistic functions (e.g. average, median)
Aug - Oct	– Evaluation	– Implement alternatives

Table 1: Planned Time Table

References

[1] WA Khan, B Banu, SK Amin, M Selimuzzaman, M Rahman, B Hossain, G Sarwardi, S Sadiya, A Iqbal, Y Rahman, et al. Prevalence of beta thalassemia trait and hb e trait in bangladeshi school children and health burden of thalassemia in our population. *DS (Child) HJ*, 21(1):1–7, 2005.

[2] Rebecca D Merrill, Abu Ahmed Shamim, Hasmot Ali, Alain B Labrique, Kerry Schulze, Parul Christian, and Keith P West. High prevalence of anemia with lack of iron deficiency among women in rural bangladesh: a role for thalassemia and iron in groundwater. *Asia Pacific journal of clinical nutrition*, 21(3):416–424, 2012.