

SELF STUDY

BASED ON MY OWN UNDERSTANDING OF THE SUBJECT

Topological Data Analysis

An in-depth analysis

Author: Dr. Md Arafat Hossain Khan

Last updated : December 26, 2021

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Introduction

“In Einstein’s general relativity the structure of space can change but not its topology. Topology is the property of something that doesn’t change when you bend it or stretch it as long as you don’t break anything.”

– Edward Witten

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1.1 Goals to Achieve

1. Quit Smoking for Arafat
2. 10 Patents and one Math paper
3. Finish Book with Eric Mueller
4. Build the base for future AI (TDA and Neurosymbolic AI)
5. Guitar practice
6. Flute practice
7. Review All Math Courses and Get 100% prepared to Read Perelman’s Paper
8. Learn fluent Hindi
9. Fifteen end to end professional projects (Big data + AI) with complete documentation and upload it in GitHub

10. Sleep everyday 8hours
11. Financial Target 300k USD.
12. Resurrect the network from all sources.
13. Everyday Physical Exercise
14. Two trips inside USA
15. Complete Knowledge of Real Estate
16. Two times whole body checkup
17. Brush two times a day
18. Make a very strict expenditure plan
19. Clean the house once a month
20. Finish 100% of a latest AI/Machine learning book (including exercise)
21. Regular Shower and Cleaning whole body after waking up everyday

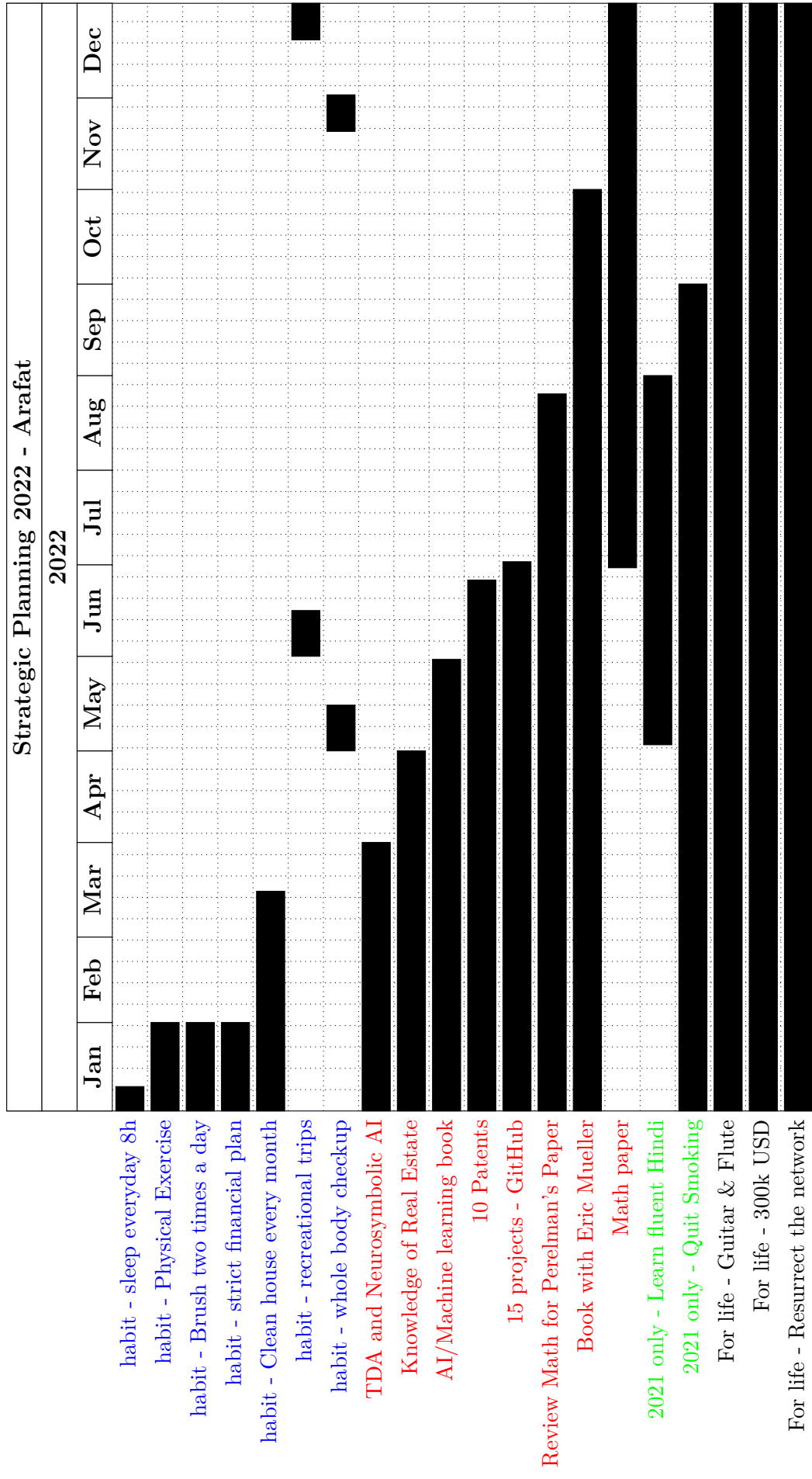
1.2 Mistakes 2021

1. Didn't take care of health, personal hygiene, mental condition at all.
2. Never took care of house, there are bugs, cockroaches and fungus everywhere.
3. Didn't have any yearly plan and year went in an unplanned way even though luckily it was not that bad.

1.3 Targeted Investment Plan

1. Gas Station / Franchise
2. Real Estate / Rental Property
3. Technology Startup Company

1.4 Quarterly Plan



Bibliography