Investment R$_{mini}$ Project Journey

I have chosen to do this piece of work in a pure narrative manner where I can finally forget about doing references, researching for suitable materials and putting up reports using the least words and good diagrams to express newly learnt concepts, at least most are new to me.

I have gone through from on the verge to dropout to reaching this piece of work. I have (really literally selected lines + press 'del') scrapped one page of writing here on "The Born of Lone Man Project Team." to these two lines. Fortunately, the section on personal contribution to the ~~group~~ project became pretty straight forward for my case.

What I have learnt which I deem most important is to stay optimistic. None will be reading this piece of writing if any less dopamine was in my head during my trough period. Nonetheless, I chose to deliver a project, it is a choice. Delivering the project drove me to come out with a project theme, revisit my GitHub, consult my wife on video editing, practice on Java, explore Optaplanner, go through jBPM and Drools rules, read on Exponential Smoothing, research on Sharpe Ratio, read up covariance, writing python script, visit CRAN on many of my R questions, finding a missing tick that prevents a required library from loading, watching YouTube videos for solutions and so on. I have lost track on the number hours spent in the project. Sadly, many of the efforts cannot be tangibly measured in the project work as they are underutilized and still far from standard to be able to put for display in any form but every bit is useful and fun to go through.

Skills wise, I have picked up more understanding on system integration. Many tasks are performed much easier in one platform compared to another. Yet, no single platform can handle all tasks easily. The experience to bind one platform with another to create hybrid system will be invaluable. In many cases, making two platforms work with each other is already not as straight forward, not to mention for them to 'understand' each other. You will need to be able to talk to each system first before you can become their translator.

In work, learning how to fill simple gaps between systems can be applied to any workforce and virtually anywhere where computers are widely in use. After overcoming some technical entry barriers of linking systems up, some complex problems can be pass to search algorithms while others can be more understood by knowledge discovery through data exploration. The potential usages and applications to work situation will not fit this margin.

Summing up, through the creation of this Investment R$_{mini}$ application, I have put different coding skills, maths and techniques together into a single entity to the best of my understanding and knowledge. Beyond just mean absolute errors and root mean square errors, the validation of usefulness and simplicity of application will come from its users in the future. The project integration is definitely far from perfect and there are also more room for improvement in its consumables too. It is not an end product, it is the start of another mental continuum of putting systems together, actualising into products to serve mankind better.

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