RStudio 2020 Internship Application

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Contents

4 CONTENTS

Chapter 1

Overview

Video intro here

https://education.rstudio.com/blog/2020/02/applications-for-2020-intern-program-are-now-open/

APPLICATIONS END ON MARCH 5TH BE SURE TO APPLY BEFORE THEN!!

For video:

Start off by going over the "Why Me" section and talk about ways I have applied the broad RMarkdown ecosystem and automation to my work. Then go to the projects suited for section to give an overview of what makes me a good fit for the first three projects specifically and examples I started to work on for each. Then give intro to about me and ideal tutorial sections. End things with a cool charts/visualizations section (or include in projects suited for section)

Start off with overview of projects I am suited for showing work I did for this application specifically. Then go on to talk about ways I have applied the broad RMarkdown ecosystem and automation in my work. Then talk a bit more about myself. Talk about ideal tutorial overview and close things by mentioning cool charts/visualizations section (outline this at a high level under 2 minutes in the video at the start here)

Chapter 2

What makes me a good fit

Here are some of the things I believe make me a great fit for the internship:

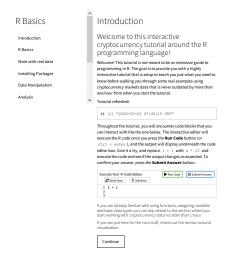
2.1 I .Rmd files

I was completely blown away by the R Markdown file format when I first discovered it, and I definitely felt like the courses I took in college in R should have mentioned the .Rmd format, as well as the tidyverse and the idea behind the pipe operator. I have spent a lot of my time learning R Markdown and digging through books and amazing resources made available by RStudio, so here are some of my favorite output formats that I am looking to teach people about:

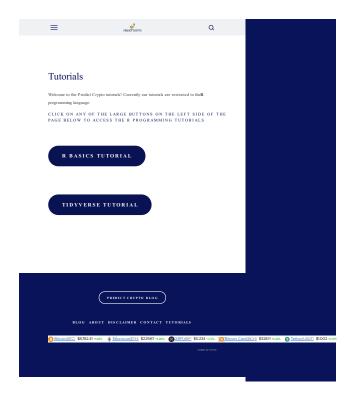
2.1.1 Learnr

I have been using learnr for about a year and a half, and recently I started to offer programming tutorials on my website using learnr where every time the tutorial is opened, users learn to program in R using data from the cryptocurrency markets that is never outdated by more than 1 hour:

(this takes about 30 seconds to load, give it more time if it's showing up blank)



I would recommend looking at the $\bf Visualization$ section to visually see that the data is never outdated by more than 1 hour.



I post these on my website:

I'm loving the integrated tutorials tab within RStudio in the 1.3 preview and I am working towards including these with my PredictCrypto package, which I talk more about and use in the next section of this document.

2.1.2 Bookdown

I was very close to paying for a monthly subscription on gitbook.com because I thought it was such an amazing format to provide documentation through, so I was particularly impressed by and grateful for the bookdown (?) package, and these days it's my go to for organizing most things I work on, so why not my application?

This document is obviously an example of a bookdown document in itself, but here's another guide I put together using bookdown:

Predict Crypto Database Quick Start Guide

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1 Overview



This is a quick start guide for the Predict Crypto DataBase which should provide the support you need to interact with the database and pull data. Everything you need to know will be outlined in this document and you can use the sidebar on the left (s is the hotkey to show/hide it) to review the following sections:

This guide refreshes daily in order to show a preview of the latest data within the document and you can look at the GitHub Actions daily runs here. You can also see the refreshed data in the *useful tables* section of the document.

I also found that documentation done in bookdown can work really great when working within a large company as well, and I put together some very thorough documentation for a project using bookdown that was very well received (but I can't show here). In my particular case it worked really well because I could send the link to the html index of the bookdown document and when opened it would behave like a website hosted on the shared folders within the secure network which ended up being particularly simple and effective.