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Learn to code with baseball

The Baseball Codes — colloquially referred to as the unwritten rules of the game — comprise the methods players use to police themselves and each other. It's a moral code that, on and off the field, is used to keep the game pure. Click on the covers to pick the books you want.All 7 books are selected right now.Price: \$553 \$313 (you save \$240)All these books cover the same fundamental programming and data science topics. If you read one, you should be able to apply the concepts to other areas, whether that's other sports or a day job.That's why for most people, I'd recommend most just buying whichever sport you like most.But, because people have asked, here are the main differences/reasons you might pick up more than one.Each sport has different ways of getting data via APIs. Whether directly from the league APIs (baseball, hockey) or via a third party Python library (basketball).These are fairly specialized and we walk through each in depth in all the books, so if you wanted to get a good handle on getting data for multiple sports (or just want API practice), it might be worth getting more than one.More generally, each book includes an appendix on places to get ready made datasets. For some sports (e.g. football and soccer) the datasets available are high quality and ready to download. For other sports (hockey and basketball) getting your own data via the API is probably the best way to go.The hockey, basketball, and soccer versions include shot charts. Getting these to look right is a tad finniky, and these include instructions, a background image, and code examples for getting it right.While all books cover the same core modeling concepts (linear regression, logistic regression, fixed effects, Random Forests, cross validation etc) the examples are a bit different, especially in football, baseball vs the other shooting sports.The end of chapter problems (and solutions!) are different in each book, so if you want extra practice, more sports might help.Bundle CheckoutBuying as a gift? Click here!Includes book, datasets, example scripts, end of chapter problems with full solutions, and flashcards for the following books:Learn to Code with Fantasy FootballLearn to Code with BaseballLearn to Code with SoccerFootballLearn to Code with HockeyTech Tools2025 Fantasy Football Developer KitBuy now30 day money back guarantee!30 Day Money Back GuaranteeTry it! If you're not satisfied, contact me within 30 days and I'll refund you the purchase price. Follow Us on Twitter @FantasyDataPros These are the files for the book Learn to Code with Baseball. If you're not familiar with Git or GitHub, no problem. Just click the Source code link under the latest release to download the files. This will download a file called ltcwbb-files-XX.XX.zip, where XX.XX is the latest version. When you unzip these (note in the book I've dropped the version number and renamed the directory just ltcwbb-files, which you can do too) you'll see four sub-directories: code, data, anki, solutions-to-exercises. You don't have to do anything with these right now except know where you put them. For example, on my mac, I have them in my home directory. /Users/nathanbraun/ltcwbb-files If I were using Windows, it might look like this: C:\Users\athanbraun\ltcwbb-files Set these aside for now and we'll pick them up in chapter 2. Added a note explaining granularity in the main text, before asking any end of chapter exercises on it (see issue #21)(i2) Pretty big update to scraping section to make things clearer. Also added note on 403 response issue people were running into while scraping Baseball Almanac. Thanks to everyone who emailed me about this. Updated file path in random forest section (see issue #1) Add end of chapter exercises for scraping and visualization (more coming soon). Thanks Chris! Expanded visualization section to include scatter and line plots. Fixed some scraping in book to match what was in the code (thanks Greg, Nick!) Fixed typo in exercise 3.3.2 and made changed LAA -> ANA in teams.csv (thanks Lennart and Tim!) Fixed a few typos + stray football references (thanks Brooks, Mark!) Updated visualization section + associated homework problems to use Seaborn 0.11.x (September 2020), which added a new displot function. This means making our distribution plots change from, say: g = sns.FacetGrid(df).map(sns.kdeplot, 'mpg', shade=True)) To: g = sns.displot(df, x='mpg', kind='kde', fill=True) It also opens up some new possibilities (e.g. with plotting empirical CDFs) that I might discuss in a future update. Add this changelog, bundle files in an github release vs including with SendOwl. The time has come! The MLB + Python learning course has arrived.If you'd rather get most of this information from a video of me talking, here you go:But everything you need is written below as well, I would advise reading everything below regardless of whether you watch the video or not.For a quick preview of what the course looks like, what you'll get, and what you'll be able to do after completing it, watch this short video:Step 1: Fill Out This FormStep 2: If you are a student, e-mail a picture of your student ID to Jon2Anderson@gmail.com Step 3: Wait for the invoice to come to your e-mail, and submit payment through that link Step 4: Wait for me to share the files and first video link to you This will all run in your own personal Google Drive. To get set up, you will just have to download some files, unzip them, and then upload them to your own Google Drive, and then you'll be off and running. The first video that you will receive walks you through this process.This course teaches you the basics (and more) of the Python programming language, and it teaches all of the skills through the use of the MLB Baseball Savant / StatCast dataset, which is completely free to the public.This dataset generates 90+ data points for every pitch thrown in all MLB games. At the end of this season, there will be around 750,000 rows in the dataset, all representing a pitch thrown in an MLB game. This is a massive amount of data. It powers everything you see on Baseball Savant player pages and even the graphics and analysis you see during games.To a person without coding knowledge, there is nothing you can do with this much data. However, if you are proficient in Python, you can do almost anything in terms of generating baseball insights and analytics. This is the data and these are the skills that analytics teams in MLB organizations use.This course is yours to go through at your own pace. It is not live classes, they are all pre-recorded videos and pre-written Python notebooks with all of the code you need. Even if your Python learning stalls, there is plenty of free code you can use to generate statistics and insights along the way.All about the Baseball Savant DatasetPython (basics and some advanced stuff)Data scrapingData aggregationThe needed basics of statisticsData visualizationCreating and maintaining custom leaderboards in Google SheetsTableau DashboardsHow start an MLB projection model And more!All of the Python notebooks with the code and the teaching in text formatAll of the class videos where I go through and explain everything in detailGroup meeting sessions where I answer questions and expand on other stuffI told you learning Python was easy, I would not be being honest. If you have absolutely no coding or data analysis experience or knowledge whatsoever, this will be a challenge and will require a lot of time to catch on to everything. But if you are drawn to baseball analytics, that is a good sign that you have the type of brain to be able to learn it with the proper amount of time, patience, and practice.I highly, highly recommend learning these skills (from myself or someone else... there are plenty of free resources out there, but none of them will focus specifically on baseball data) to kids in high school or college that want to get into the data analysis field. Very few people get to work professionally in sports data (I don't do it, this is just a side gig for me), but there is no shortage of very financially and personally rewarding careers out there in this field. Every company has data and needs skilled people to work with it. If you come out of college knowing Python and the basics of data analytics, you are set up great for the rest of your professional life. I am charging \$150 for the full course for non-students, and \$125 for students (high school and undergrad only), but will require you to e-mail me a picture of your current student ID to prove you're not lying!You will pay me directly through a PayPal invoice I generate, but you will be able to pay that with PayPal, Venmo, or a credit card if needed.I really do not know what to expect in terms of how many people will sign up, so I cannot guarantee that I will be able to answer every single question and make time for every person who needs further assistance, but I promise to do my best in that regard.Since I'm immediately giving access to all of the files and videos upon sign-up, I cannot give any refunds, I apologize. But if there are any extreme circumstances, reach out to me and we can talk. I wrote it early in 2020, put it down for a while due to Covid, and picked it back up in the fall.Like the football version, it covers Python, Pandas (Python's main data analysis library), SQL, web scraping, public APIs, data visualization, summary stats and modeling.Because the original football version is much more focused on teaching programming and data science basics, which are similar across domains (including non sports domains!), porting the same concepts to baseball was fairly straightforward.Baseball is much more stat heavy than football, which helped. I personally don't follow it as much as football, which didn't help. But I did some research, and I do like reading baseball books (Moneyball is an all time favorite, also really liked The Only Rule is It Has to Work).One difference is that baseball is much more focused on good composite stats and measuring individual vs (fantasy) football, and the analysis portion of the book reflects that. Reddit and its partners use cookies and similar technologies to provide you with a better experience. By accepting all cookies, you agree to our use of cookies to deliver and maintain our services and site, improve the quality of Reddit, personalize Reddit content and advertising, and measure the effectiveness of advertising. By rejecting non-essential cookies, Reddit may still use certain cookies to ensure the proper functionality of our platform. For more information, please see our Cookie Notice and our Privacy Policy. More at: www.codebaseball.comLearn Coding & Data Science Fundamentals with Baseball!Includes 215+ page ebook, 23 example Python scripts, 10 datasets, more than 100 end of chapter exercises with full solutions, and 300 Anki questions. Supporting files are in four separate directories in ltcwbb_files.zip (code, data, solutions-to-exercises, anki) and need to be unzipped to view.The ebook is stamped with your info, and you'll receive a link to download.--What People Are Saying (about the football book this was based off of) "The book here was really, really well done..." — Bill Connelly, ESPN "...the way the learning is framed here is 10x what you'll get someplace else..." — u/Nick5893 "Incredible work! Bought it right away. Only 3 chapters in and this book is already better than expected. Worth every penny. Thank you!" — u/TheMottizze "...probably the best / most complete Pandas walk through I've seen..." — Bill S "I recently purchased LTCWFF and could not be more satisfied with the content...it has been great to work through your in-depth examples learning new skills. 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Supporting files are in four separate directories in ltcwbb_files.zip (code, data, solutions-to-exercises, anki) and need to be unzipped to view.The ebook is stamped with your info, and you'll receive a link to download.--What People Are Saying (about the football book this was based off of) "The book here was really, really well done..." — "......the way the learning is framed here is 10x what you'll get someplace else..." — "Incredible work! Bought it right away. Only 3 chapters in and this book is already better than expected. Worth every penny. Thank you!" — "...probably the best / most complete Pandas walk through I've seen..." — Bill S "I recently purchased LTCWFF and could not be more satisfied with the content...it has been great to work through your in-depth examples learning new skills. 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