Results for **what would be a recommended algorithm**

⬡ **Data ML** (q/dataml)

What would be a recommended algorithm/approach for using ML to solve a crew scheduling problem?

Lawrence Rowland, Project portfolios using machine learning & graph databases
Answered 9m ago

(Caveat: not an expert. not tested by me)

Maybe one of the **algorithms** for the knapsack problem ⤢. It sounds like the multiple-knacksack variant. I know one company that is exploring using this R package ⤢ with for their daily planning for their service-engineer network.
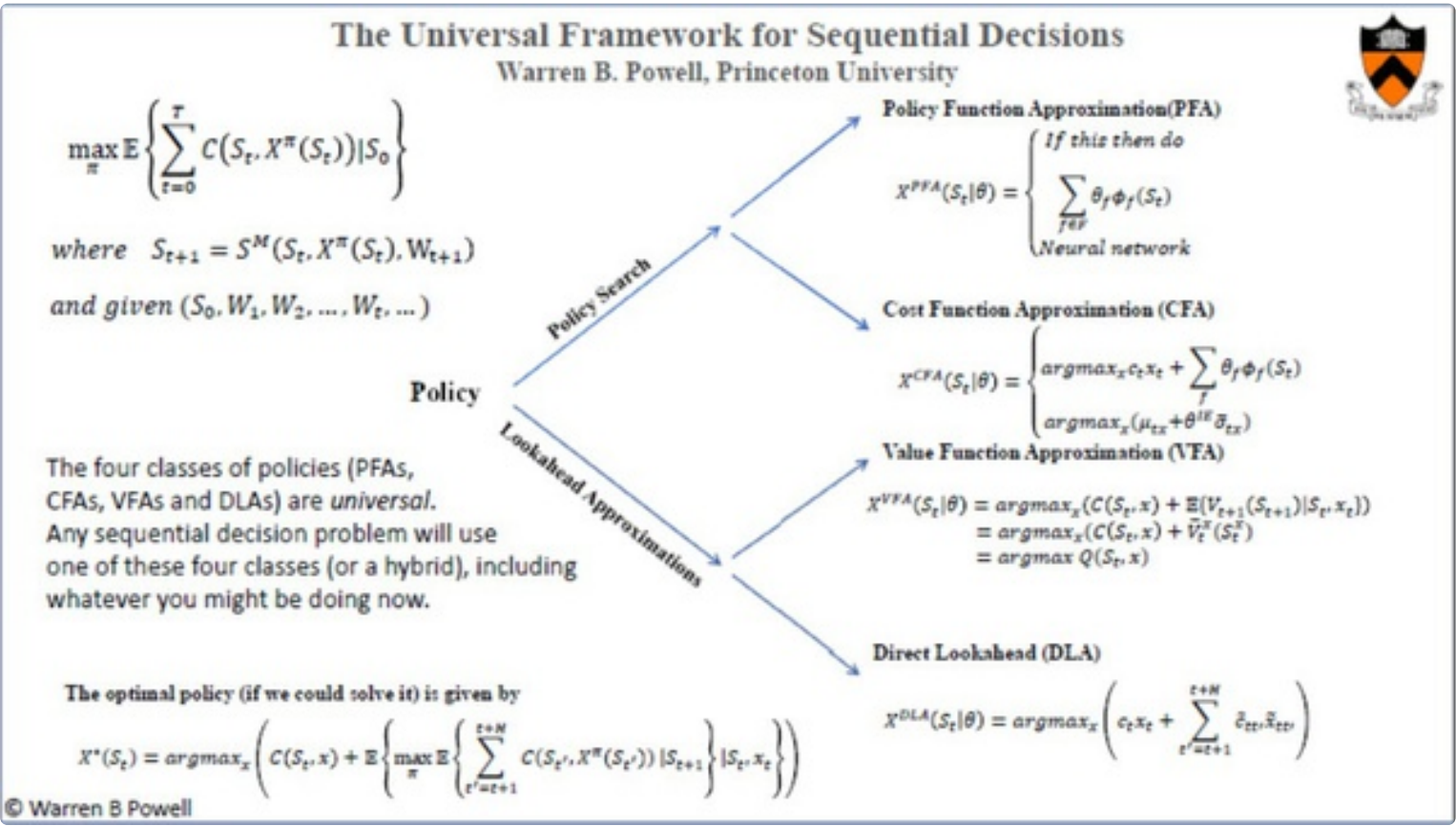
More generally I **recommend** the excellent work coming out of Professor Warren Powell's lab ⤢ at Princeton, covering all types of stochastic optimisation, as well as problems involving learning (such as reinforcement learning etc).

He sets out a 4-way framework both for categorising the type of approach needed for a given problem (see slide below).

He also sets out how to approach and set up any particular problem, to see which approach might be needed:He summarises it thus:

- *Modeling the problem (state variables, decision variables, exogenous information processes, transition function, objective function).*
- *Modeling the uncertainty (uncertainty quantification)*
- *Designing policies*

There are numerous articles, papers and books - to match different levels of understanding-from the website link above. Also can start from here ⤢ There is even a full (draft) of his latest book on the subject, which is very well written with lots of examples.

1 view

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What would be the best way to make a food recommendation algorithm using NLP/ML? Should I start with a basic algorithm, with data or should I collect data to make a reasonable and well-recommended algorithm?

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What recommendation algorithm would you suggest to study store sales?

2 Answers · View All

Pravin Kumar, former Database Admin (2011-2017) — you can use **APRIORI** or **ECLAT** algorithm for the basic study(prototyping) . for better implementation you

need to go for some sophisticated algorithms like XGBOOST (more)

What would be a good project that implements something practical with ML algorithms (like cosine similarity for plagiarism, recommending systems to match candidates with jobs, or neural networks to detect the programming language of a code)?
Praful Krishna, CEO, Coseer (AI for NLP) (2012-present) —
One project we are toying with is called Altometer.

We are working with some exceptional people in and out of Coseer to use AI and predict the left vs right bias in any news... (more)

What changes to the Netflix recommendation algorithm would you make?
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What changes to the YouTube recommendation algorithm would you make?
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What are good movie recommendation engines?
49 Answers · View All
Gustavo Gallegos, Jawbone UP Product manager — I am constantly looking for recommendations, these is what I currently like to do: ... 1. Quora: Ask a specific genre/artist/director/etc question. I'm still slowly going thro... (more)

Xavier Amatriain: What would you suggest as the best recommendation algorithms based on your experience in terms of conversion rates or other business objectives?
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If Professor Cormen were asked to recommend one of his two books, namely CLRS and Algorithms Unlocked, what would be his answer?
Siddharth Ramesh, Computer Nut — Please refer to the below question: ... @What's the difference between algorithm books 'CLRS' and the 'Algorithms Unlocked'? (more)

What books do you recommend for someone to get into algorithmic trading at a beginner level? It would be better if you mention books that also teach profitable algorithmic trading strategies. I want to be able to trade for a hobby.
7 Answers · View All
John Roberson, Stock Trader —
"Trade for a hobby" is a good way to put it, because hobbies are an expense, not a source of revenue.

I'm not trying to be a jerk, I just need to be 100% brutally honest wit... (more)

What would you recommend to read and learn to become the best coder? My recommendation is to learn Python the hard way > algorithm unlocked > introduction to algorithm.
5 Answers · View All
Herb Gilliland, Professional Computer Programmer — Top-of-the-line or "The Best" programmer is one that understands theory, not just practice. I suppose if you truly wanted to be "the Best" programmer, you would read all of... (more)

What are the machine learning algorithms that Quora applies and what would an algorithm-wise recommendation to the machine learning community look like?
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I'm 30yo software engineer but I want to create trading algorithms and trade with them instead. What would you recommend?

3 Answers · View All

Akhil Thomas, Currency, equity and fixed income trader — Im 30yo software engineer, working in a bank, with 8 yr trading experience. I have experience in trading forex, bond and equity. I too have a similar idea to write algo for... *(more)*

What are the possible ways to teach yourself algorithmic trading techniques? Courses are very expensive. Hence, it would be great if I could get some recommendations for a draft curriculum, books, and other materials that will help me learn.

4 Answers · View All

Viraj Bhagat, Aspiring Algo Trader, Tech Enthusiast at Self-Employment (2018-present) — In the past, entry into algorithmic trading firms used to be restricted to PhDs in Physics, Mathematics or Engineering Sciences, who could build sophisticated quant models ... *(more)*

I just don't seem to get the hang of algorithms, especially those about time complexity. Maybe I am expecting too much out of myself. I want to start from scratch and build my algorithm skills to par excellence. What would Thomas Cormen recommend?

2 Answers · View All

Brando Miranda, member of MIT CBMM (Center for Brains Minds and Machines) — MIT has their introduction to algorithms course online on OCW: ... Introduction to Algorithms ... Obviously, watching lectures, recitation is good but to really get it you should... *(more)*

What book would you recommend for Algorithms & Data Structures?

5 Answers · View All

Naga Budigam, B.Tech Computer Science & Business Mangement, RGU IIIT Basar (2014) —
I personally followed the below books to master algorithms.

- **Introduction to Algorithms** - by Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, and Clifford Stein - **I ...**

(more)

What simple projects do you recommend for C#? I have been studying OOP in C# for two semesters and we need to make a project. It would be good if it had some algorithm in it as well.

2 Answers · View All

István Németh-Pók, Process Engineer, electronics production —
We had to make a rental warehouse system, it was an interesting project. The rules were:

- 3000 locations, from which 700 is cooled

- 10 terminals, 3 for cooled staff only

- Dispatc...

(more)

What are the best books on algorithms and data structures?

What book would you recommend for algorithms in programming?

2 Answers · View All

Al Klein, 46 years of earning a living developing systems - retired — Algorithms and Data Structures for that.

Programming itself can't be taught in a single book - see Teach Yourself Computer Science. *(more)*

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