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Data Science Tutorials

Author	Title
lbackstrom	The Importance of Algorithms
antimatter	How To Dissect a Topcoder Problem Statement
Dumitru	How to Find a Solution
leadhyena_inran	Planning an Approach to a Topcoder Problem:
	- Section 1
	- Section 2
dimkadimon	Mathematics for Topcoders
lbackstrom	Geometry Concepts:
	- Section 1: Basic Concepts
	- Section 2: Line Intersection and its Applications
	- Section 3: Using Geometry in Topcoder Problems
gladius	Introduction to Graphs and Their Data Structures:
	- Section 1: Recognizing and Representing a Graph
	- Section 2: Searching a Graph
	- Section 3: Finding the Best Path through a Graph
supernova	Greedy is Good
Dumitru	Dynamic Programming: From Novice to Advanced
misof	Computational Complexity
	- Section 1
	- Section 2
Dan[Popovici] & **mariusmuja**	Using Regular Expressions
supernova	Understanding Probabilities
timmac	Data Structures
timmac	Sorting
efer	Maximum Flow
	- Section 1
	- Section 2
misof	Representation of Integers and Reals
	- Section 1
	- Section 2
lovro	Binary Search
bmerry	A bit of fun: fun with bits

danielp	Range Minimum Query and Lowest Common Ancestor
DmitryKorolev	Power up C++ with the Standard Template Library: Part I
DmitryKorolev	Power up C++ with the Standard Template Library: Part II: Advanced Uses
medv	Prime Numbers, Factorization and Euler Function
jmzero	An Introduction to Recursion, Part 1
jmzero	An Introduction to Recursion, Part 2
cpphamza	An Introduction to Binary Search and Red-Black Trees
bmerry	Line Sweep Algorithms
Zealint	Minimum Cost Flow
	- Part 1 – Key Concepts
	- Part 2 – Algorithms
	- Part 3 – Applications
rasto6sk	Algorithm Games
boba5551	Binary Indexed Trees
TheLlama	Introduction to String Searching Algorithms
Zealint	Maximum Flow: Augmenting Path Algorithms Comparison
x-ray	Basics of Combinatorics
NilayVaish	A New Approach to the Maximum Flow Problem
vlad_D	Disjoint-set Data Structures
luison9999	Using Tries
dcp	An Introduction to Multidimensional Databases
zmij	The Best Questions for Would-be C++ Programmers
	- Part 1
	- Part 2
innocentboy	Primality Testing : Non-deterministic Algorithms
x-ray	Assignment Problem and Hungarian Algorithm

More Resources

Problem Set Analysis
Read editorials explaining the problem and solution for each Single Round Match (SRM).

Data Science Guide
New to topcoder's data science track? Read this guide for an overview on how to get started in the arena and how competitions work.

Help Center
Need specifics about the process or the rules? Everything you need to know about competing at topcoder can be found in the Help Center.

Member Forums
Join your peers in our member forums and ask questions from the real experts - topcoder members!

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Topcoder is also on