

CC Primer: Compute Canada for geoscientists in a rush

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Last revision: 2022-02-01

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Chapter 1

Front Matter

1.1 Copyright

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1.1.1 How to cite this work

Please use this BibTeX fragment:

```
@book{BarrosLourenco2022,  
  title      = "CC Primer: Compute Canada for geoscientists in a rush",  
  author     = "Barros Lourenco, Ricardo",  
  year       = 2022,  
  doi        = "10.5281/zenodo.5937906"  
  note       = {\url{https://ricardobarroslourenco.github.io/CCprimer/}}(visited yyyy-mm-dd)}  
}
```

1.2 Epigraph

"Here's to the crazy ones. The misfits. The rebels. The trouble-makers. The round pegs in the square holes.

The ones who see things differently.

They're not fond of rules. And they have no respect for the status quo.

You can quote them, disagree with them, glorify or vilify them.
About the only thing you can't do is ignore them.

Because they change things.

They push the human race forward.

While some may see them as the crazy ones, we see genius.

Because the people who are crazy enough to think they can change
the world, are the ones who do."

— Apple Computer, "*Think different*" campaign. TBWA-Chiat-Day.

1.3 Foreword

1.4 List of abbreviations and acronyms

1.5 Cronology

2022-01-31 - Beginning of v0.1.

Chapter 2

Version Control Systems

Version Control Systems Wikipedia contributors [2002] (VCS - also named as *Revision Control*, *Source Code Control*, *Source Code Management*) are Computer Systems traditionally used to manage the complexities of software development, majorly Computer Systems involving multiple software modules, and large development teams.

2.1 Why using it (out of CS)?

2.2 VCS: Local repository vs. Remote repository

2.3 Git

2.3.1 Installing a git client on your machine

2.3.1.1 Ubuntu (or any other *.nix environment)

2.3.1.2 Apple

2.3.1.3 Windows

2.3.2 Setting up your local git client

2.4 GitHub

2.4.1 Creating an account

2.4.2 Creating a repository

2.4.3 Retrieving code from a repository

2.4.4 Submitting code to a repository

2.4.5 Conciliating “*conflicts*”

2.4.5.1 Git Merge

2.4.5.2 Git Rebase

2.4.6 Contributing to open-source projects

2.4.6.1 Creating a pull request

Bibliography

Wikipedia contributors. Version control — Wikipedia, the free encyclopedia, 2002. URL https://en.wikipedia.org/wiki/Version_control. [Online; accessed 01-February-2022].