

# R IN THE TERMINAL (SURVIVAL STRATEGIES)

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[bit.ly/larug-terminal](https://bit.ly/larug-terminal)

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## EXECUTIVE SUMMARY

As an independent consultant, I do most of my work on other peoples' computers following their data and security policies.

Often, a bare terminal is the only choice I have.

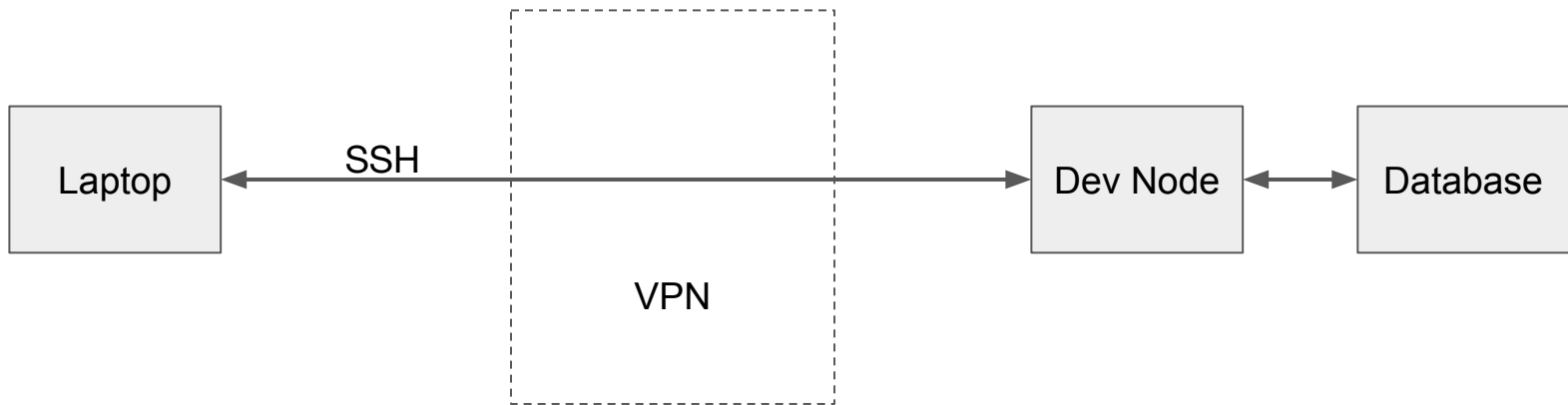
But there are ways to be productive anyway.

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POTPOURRI

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# TYPICAL REMOTE SETUP



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# HIGHLIGHTING / COLORED OUTPUT

- crayon is the defacto highlighting package.
  - See also [crayon#64](#) - \$NO\_COLOR
  - individual packages must opt in
- colorout still works fine too
- demo

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# GRAPHICS

- Visualization is important
- want fast edit-viz cycle
- X11 Forwarding: `ssh -X`
- `servr: ssh -D`
- `osc1337`
- `demo`

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# \$EDITOR

- ESS, vimR
  - Normal customization applies
- screen, tmux
- demo

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# .RPROFILE

- options(  
    width=system("tput cols", intern=TRUE),  
    setWidthOnResize = TRUE)
  - Replaces the old setwidth package
- `utils::rc.settings(ipck=TRUE)`
- Demo
- dotfiles are a thing

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# SCRIPTING

- Many good packages for arg parsing
  - Most are ports from other languages
  - docopt is great
  - fuego for wrapping other packages.
    - Inspired by python-fire
    - R objects typically don't have vtables, so less expressive
- Dirk's "little r"

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QUESTIONS?

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## Q: WHO ARE YOU?

I'm Neal Fultz, independent statistical / data consultant and former LARUG coorganizer from 2011-2014.

Email me at [nfultz@gmail.com](mailto:nfultz@gmail.com)

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## Q: WHY NOT RSTUDIO?

- Rstudio is pretty good.
- Often not installed / allowed.
  - Notable exception: docker permissions
- Sometimes not really needed.

**Q: WILL YOU PUBLISH TO CRAN**

A: Probably not without a good reason to

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