Plano de ensino do Minicurso de Introdução ao *tidyverse*

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Objetivos

Esse minicurso apresenta os recursos recentes da utilização da manipulação e visualização de dados através do *tidyverse*. O *tidyverse* é um conjunto de pacotes e funções que compartilham uma mesma estrutura visando ajudar os usuários à criar um código eficiente e "organizado". Os pacotes são focados na organização de dados (leitura, filtragem, organização, seleção e resumo), visualização de dados (ggplot2), programação (purrr), resultados de modelos (broom), além de outros. O curso será teórico-prático, com maior dedicação à realização de exercícios para fixação do conteúdo

Carga horária

15 horas

Conteúdo programático

0. Controle de versão, Git e GitHub
1. Introdução ao tidyverse
2. Importar e exportar dados de tabelas (readr, readxl, e writexl)
3. Manejar a estrutura dos dados (tibble, magrittr, tidyr, dplyr, forcats, lubridate e stringr)
4. Visualização de dados e resultados de modelos (ggplot2 e broom)
5. Introdução à programação funcional (purrr)
6. Introdução ao RMarkdown (rmarkdown e knit)

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