

Solucionario tarea 1

Cargar paquetes

```
library(tidyverse)
```

Ejercicio 1

```
get_cv <- function(x, na.rm = FALSE) {  
  if (na.rm) {  
    x <- x[!is.na(x)]  
  }  
  
  cv <- sd(x) / mean(x)  
  
  return(cv)  
}
```

Ejercicio 2

```
build_address <- function(street, number, apartment = NULL) {  
  
  new_street <- tolower(street) %>%  
    str_remove_all("avenida") %>%  
    str_remove_all("av.") %>%  
    str_remove_all("av") %>%  
    str_remove_all("calle|pasaje") %>%  
    str_trim(side = "both")  
  
  new_number <- tolower(number) %>%  
    str_extract("[[:digit:]]+")  
  
  # Caminos diferenciados para el caso con y sin departamento  
  if (!is.null(apartment)) {  
    new_apartment <- tolower(apartment) %>%  
      str_extract("[[:digit:]]+")  
    new_apartment <- paste("depto.", new_apartment[[1]])  
  
    final_address <- paste(new_street, new_number[[1]])  
    final_address <- paste(final_address, new_apartment, sep = ", ")  
  }  
}
```

```

} else {
  final_address <- paste(new_street, new_number[[1]])
}

return(final_address)
}

```

Ejercicio 3

```

df <- tribble(~calle,      ~numero,      ~depto,
  "calle los alerces", "num 345",    "depto. 345",
  "av. pedro montt",  "número 123", "123",
  "manuel rojas",     "234",        "departamento 231")

df %>%
  rowwise() %>%
  mutate(direccion = build_address(calle, numero, depto))

```

A tibble: 3 x 4

Rowwise:

	calle	numero	depto	direccion
	<chr>	<chr>	<chr>	<chr>
## 1	calle los alerces	num 345	depto. 345	los alerces 345, depto. 345
## 2	av. pedro montt	número 123	123	pedro montt 123, depto. 123
## 3	manuel rojas	234	departamento 231	manuel rojas 234, depto. 231