

Lab 3 - Shiny

I am an annoying client today. I want a web application to see emergency services stays.

Data description

Similar dataset as Lab 2, but I have already cleaned it (no traps this time).

Variable	Label	Values
region	Region where the service is located	Auvergne-Rhône-Alpes de Provence, Occitanie-sur-Bretagne, Québecorse
service	Name of the emergency service	Autonoesis, Conifère, Griffon, Grylle, Houle, Valdrin, Véhémence
id	Identifie of the patient	Numerical variable
severity	Severity of the patient's disease (i.e. how bad it is)	(less severe) 1 <==> 5 (more severe)
discharge_mode	Mode of discharge from the service (i.e. how the patient got out)	Died, home, hospitalised, transferred to other hospital
arrival_mode	Mode of arrival in the service (i.e. how the patient came)	Ambulance, Ambulance + firefighters, Ambulance + life support, Cops, Helicopter, Personal
los	Length of stay in the service, in minutes	Numerical variable
diagnostic	Primary diagnostic of the patient (i.e. his disease)	Too many
age	Age of patient	Numerical variable
entry	Time of entry	Date
exit	Time of exit	Date
complexity	Complexity of the patient's disease (i.e. how complex it is to treat)	(less complex) 1 <==> 10 (more complex)
cost	Cost of the stay in the service	Numerical variable
ald	Patient with a long-term illness (affection longue durée)	1 = yes, 0 = no

What I need

- An introductory page where you explain what the data is about
 - Put an image
- The full table
- Information about ALD patients vs. non-ALD
 - Age
 - Differences in costs
 - Severity/complexity
 - Length of stay
- About costs
 - Age
 - Length of Stay
 - By discharge mode
- At least one 3D graph because it looks cool
- By service: distribution of length of stay
- By region: distribution of length of stay
- Factors associated with staying at least 6 hours in a service

I want to be able to filter depending on these groups:

- Everybody
- People over 75
- People under 18
- All emergency services
- Only one emergency service
- All regions
- One region

Make it look good.