Analyse-revues.R

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2023-03-07

rm(list = ls()) #supprimer tous les objets   
  
  
library(tidyverse)

## ── Attaching packages ─────────────────────────────────────── tidyverse 1.3.2 ──  
## ✔ ggplot2 3.4.1 ✔ purrr 1.0.1   
## ✔ tibble 3.1.8 ✔ dplyr 1.0.10  
## ✔ tidyr 1.3.0 ✔ stringr 1.5.0   
## ✔ readr 2.1.3 ✔ forcats 1.0.0   
## ── Conflicts ────────────────────────────────────────── tidyverse\_conflicts() ──  
## ✖ dplyr::filter() masks stats::filter()  
## ✖ dplyr::lag() masks stats::lag()

library(questionr)  
library(gtsummary)  
library(httr)  
library(jsonlite)

##   
## Attachement du package : 'jsonlite'  
##   
## L'objet suivant est masqué depuis 'package:purrr':  
##   
## flatten

### Récupération des données ----  
  
## importer les données quand elles sont en local et non sur Pstgresql  
df <- readxl::read\_excel("D:/bdd/data\_pub.xlsx")

## Warning: Expecting numeric in U7839 / R7839C21: got '0022538X'

## Warning: Expecting numeric in U7961 / R7961C21: got '1024123X'

## Warning: Expecting numeric in U8039 / R8039C21: got '1024123X'

## Warning: Expecting numeric in U8075 / R8075C21: got '1024123X'

## Warning: Expecting numeric in U8084 / R8084C21: got '1024123X'

## Warning: Expecting numeric in U8090 / R8090C21: got '1024123X'

## Warning: Expecting numeric in U8236 / R8236C21: got '1024123X'

## Warning: Expecting numeric in U8289 / R8289C21: got '1024123X'

## Warning: Expecting numeric in U8300 / R8300C21: got '1024123X'

## Warning: Expecting numeric in U8375 / R8375C21: got '1024123X'

## Warning: Expecting numeric in U8394 / R8394C21: got '1024123X'

## Warning: Expecting numeric in U8553 / R8553C21: got '1024123X'

## Warning: Expecting numeric in U8609 / R8609C21: got '1024123X'

## Warning: Expecting numeric in U8676 / R8676C21: got '1024123X'

## Warning: Expecting numeric in U8682 / R8682C21: got '1024123X'

## Warning: Expecting numeric in U8690 / R8690C21: got '1024123X'

## Warning: Expecting numeric in U8693 / R8693C21: got '1024123X'

## Warning: Expecting numeric in U8734 / R8734C21: got '1024123X'

## Warning: Expecting numeric in U8749 / R8749C21: got '1024123X'

## Warning: Expecting numeric in U9091 / R9091C21: got '1024123X'

## Warning: Expecting numeric in U9352 / R9352C21: got '1024123X'

## Warning: Expecting numeric in U9387 / R9387C21: got '1024123X'

## Warning: Expecting numeric in U9591 / R9591C21: got '0145479X'

## Warning: Expecting numeric in U9764 / R9764C21: got '1024123X'

## Warning: Expecting numeric in U10951 / R10951C21: got '1024123X'

## Warning: Expecting numeric in U10973 / R10973C21: got '1067151X'

## Warning: Expecting numeric in U11174 / R11174C21: got '1024123X'

## Warning: Expecting numeric in U11773 / R11773C21: got '0145479X'

## Warning: Expecting numeric in U11835 / R11835C21: got '1024123X'

## Warning: Expecting numeric in U12027 / R12027C21: got '0022538X'

## Warning: Expecting numeric in U12068 / R12068C21: got '1024123X'

## Warning: Expecting numeric in U12166 / R12166C21: got '0022538X'

## Warning: Expecting numeric in U12829 / R12829C21: got '1067151X'

## Warning: Expecting numeric in U12895 / R12895C21: got '0038092X'

## Warning: Expecting numeric in U12899 / R12899C21: got '1088145X'

## Warning: Expecting numeric in U12909 / R12909C21: got '1024123X'

## Warning: Expecting numeric in U14812 / R14812C21: got '1563535X'

## Warning: Expecting numeric in U14901 / R14901C21: got '0022538X'

## Warning: Expecting numeric in U15169 / R15169C21: got '0022538X'

## Warning: Expecting numeric in U16001 / R16001C21: got '1061186X'

## Warning: Expecting numeric in U16296 / R16296C21: got '0145479X'

## Warning: Expecting numeric in U16388 / R16388C21: got '0771050X'

## Warning: Expecting numeric in U16644 / R16644C21: got '1061186X'

## Warning: Expecting numeric in U18957 / R18957C21: got '0022538X'

## Warning: Expecting numeric in U19129 / R19129C21: got '0038092X'

## Warning: Expecting logical in V19216 / R19216C22: got '1935181X'

## Warning: Expecting logical in V19516 / R19516C22: got '1935181X'

## Warning: Expecting numeric in U19678 / R19678C21: got '0022538X'

## Warning: Expecting numeric in U20020 / R20020C21: got '0022538X'

## Warning: Expecting numeric in U20023 / R20023C21: got '1091756X'

## Warning: Expecting numeric in U20080 / R20080C21: got '1024123X'

## Warning: Expecting numeric in U20230 / R20230C21: got '0022538X'

## Warning: Expecting numeric in U20736 / R20736C21: got '1024123X'

## Warning: Expecting numeric in U20769 / R20769C21: got '1024123X'

## Warning: Expecting numeric in U20777 / R20777C21: got '0771050X'

## Warning: Expecting numeric in U21407 / R21407C21: got '0022538X'

## Warning: Expecting numeric in U21765 / R21765C21: got '1024123X'

## Warning: Expecting numeric in U21950 / R21950C21: got '1024123X'

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## Warning: Expecting numeric in U22655 / R22655C21: got '0038092X'

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## Warning: Expecting numeric in U23047 / R23047C21: got '0022538X'

## Warning: Expecting numeric in U23464 / R23464C21: got '0022538X'

## Warning: Expecting numeric in U23832 / R23832C21: got '0145479X'

## Warning: Expecting numeric in U25140 / R25140C21: got '1878223X'

## Warning: Expecting numeric in U25190 / R25190C21: got '0022538X'

## Warning: Expecting numeric in U25275 / R25275C21: got '0009739X'

## Warning: Expecting numeric in U26441 / R26441C21: got '1061186X'

## Warning: Expecting numeric in U26773 / R26773C21: got '0022538X'

## Warning: Expecting numeric in U27318 / R27318C21: got '0022538X'

## Warning: Expecting numeric in U27910 / R27910C21: got '0022538X'

## Warning: Expecting numeric in U27985 / R27985C21: got '1563535X'

## Warning: Expecting numeric in U28268 / R28268C21: got '1360080X'

## Warning: Expecting numeric in U28596 / R28596C21: got '1024123X'

## Warning: Expecting numeric in U28711 / R28711C21: got '8756758X'

## Warning: Expecting numeric in U29408 / R29408C21: got '1026745X'

## Warning: Expecting numeric in U29761 / R29761C21: got '0022538X'

## Warning: Expecting numeric in U30404 / R30404C21: got '0022538X'

## Warning: Expecting date in AR30429 / R30429C44: got '1899-05-01'

## Warning: Expecting numeric in U30761 / R30761C21: got '0022538X'

## Warning: Expecting numeric in U31405 / R31405C21: got '0022538X'

## Warning: Expecting numeric in U31931 / R31931C21: got '1061186X'

## Warning: Expecting numeric in U32911 / R32911C21: got '0022538X'

## Warning: Expecting date in AR33049 / R33049C44: got '1899-05-01'

## Warning: Expecting numeric in U34435 / R34435C21: got '1061186X'

## Warning: Expecting numeric in U36801 / R36801C21: got '0038092X'

## Warning: Expecting numeric in U37356 / R37356C21: got '0022538X'

## Warning: Expecting numeric in U37436 / R37436C21: got '0038092X'

## Warning: Expecting numeric in U37838 / R37838C21: got '0022538X'

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## Warning: Expecting numeric in U38675 / R38675C21: got '0022538X'

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## Warning: Expecting numeric in U38995 / R38995C21: got '1061186X'

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## Warning: Expecting numeric in U39181 / R39181C21: got '0022538X'

## Warning: Expecting numeric in U39248 / R39248C21: got '0022538X'

## Warning: Expecting numeric in U39302 / R39302C21: got '0022538X'

## Warning: Expecting numeric in U39335 / R39335C21: got '0022538X'

## Warning: Expecting numeric in U39856 / R39856C21: got '0022538X'

## Warning: Expecting numeric in U40608 / R40608C21: got '0022538X'

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## Warning: Expecting numeric in U43373 / R43373C21: got '0022538X'

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## Warning: Expecting numeric in U46345 / R46345C21: got '0022538X'

## Warning: Expecting numeric in U46469 / R46469C21: got '0022538X'

## Warning: Expecting numeric in U46533 / R46533C21: got '0022538X'

## Warning: Expecting numeric in U47060 / R47060C21: got '0022538X'

## Warning: Expecting numeric in U47181 / R47181C21: got '0022538X'

## Warning: Expecting numeric in U47366 / R47366C21: got '0022538X'

## Warning: Expecting numeric in U47486 / R47486C21: got '0022538X'

## Warning: Expecting numeric in U47537 / R47537C21: got '0022538X'

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## Warning: Expecting numeric in U48300 / R48300C21: got '0022538X'

## Warning: Expecting numeric in U48783 / R48783C21: got '0022538X'

## Warning: Expecting numeric in U48817 / R48817C21: got '0022538X'

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## Warning: Expecting numeric in U49027 / R49027C21: got '0022538X'

## Warning: Expecting numeric in U49242 / R49242C21: got '0022538X'

## Warning: Expecting numeric in U49517 / R49517C21: got '1061186X'

## Warning: Expecting numeric in U49526 / R49526C21: got '0022538X'

## Warning: Expecting numeric in U49550 / R49550C21: got '0022538X'

## Warning: Expecting numeric in U49591 / R49591C21: got '0022538X'

## Warning: Expecting numeric in U49844 / R49844C21: got '0022538X'

## Warning: Expecting numeric in U49971 / R49971C21: got '0022538X'

## Warning: Expecting numeric in U50063 / R50063C21: got '0022538X'

## Warning: Expecting numeric in U50089 / R50089C21: got '0022538X'

## Warning: Expecting numeric in U50403 / R50403C21: got '0022538X'

## Warning: Expecting numeric in U50864 / R50864C21: got '0022538X'

## Warning: Expecting numeric in U50916 / R50916C21: got '0022538X'

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## Warning: Expecting numeric in U51717 / R51717C21: got '0022538X'

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## Warning: Expecting numeric in U51986 / R51986C21: got '0022538X'

## Warning: Expecting numeric in U52021 / R52021C21: got '0022538X'

## Warning: Expecting numeric in U52222 / R52222C21: got '0022538X'

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## Warning: Expecting numeric in U53740 / R53740C21: got '0022538X'

## Warning: Expecting numeric in U53924 / R53924C21: got '0022538X'

## Warning: Expecting numeric in U53938 / R53938C21: got '0022538X'

## Warning: Expecting numeric in U54489 / R54489C21: got '0022538X'

## Warning: Expecting numeric in U54491 / R54491C21: got '0022538X'

## Warning: Expecting numeric in U54642 / R54642C21: got '0022538X'

## Warning: Expecting numeric in U55605 / R55605C21: got '1741282X'

## Warning: Expecting numeric in U55683 / R55683C21: got '0022538X'

## Warning: Expecting numeric in U55902 / R55902C21: got '0022538X'

## Warning: Expecting numeric in U55981 / R55981C21: got '0022538X'

## Warning: Expecting numeric in U56298 / R56298C21: got '0022538X'

## Warning: Expecting numeric in U56480 / R56480C21: got '0022538X'

## Warning: Expecting numeric in U57578 / R57578C21: got '1061186X'

## Warning: Expecting numeric in U57761 / R57761C21: got '0022538X'

## Warning: Expecting numeric in U57838 / R57838C21: got '0022538X'

## Warning: Expecting numeric in U58458 / R58458C21: got '0022538X'

## Warning: Expecting numeric in U58781 / R58781C21: got '1061186X'

## Warning: Expecting numeric in U58783 / R58783C21: got '1061186X'

## Warning: Expecting numeric in U59169 / R59169C21: got '0022538X'

## Warning: Expecting numeric in U60386 / R60386C21: got '1024123X'

## Warning: Expecting numeric in U62068 / R62068C21: got '1878223X'

## Warning: Expecting numeric in U62703 / R62703C21: got '0022538X'

## Warning: Expecting numeric in U63735 / R63735C21: got '0148396X'

## Warning: Expecting numeric in U65049 / R65049C21: got '0022538X'

## Warning: Expecting numeric in U66926 / R66926C21: got '1061186X'

## Warning: Expecting numeric in U66949 / R66949C21: got '0022538X'

## Warning: Expecting numeric in U68936 / R68936C21: got '0022538X'

## Warning: Expecting numeric in U69238 / R69238C21: got '0022538X'

## Warning: Expecting numeric in U69335 / R69335C21: got '0022538X'

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## Warning: Expecting numeric in U70016 / R70016C21: got '0022538X'

## Warning: Expecting numeric in U71326 / R71326C21: got '0022538X'

## Warning: Expecting numeric in U71804 / R71804C21: got '0022538X'

## Warning: Expecting date in AR72031 / R72031C44: got '1891-01-23'

## Warning: Expecting numeric in U73521 / R73521C21: got '0022538X'

## Warning: Expecting numeric in U74139 / R74139C21: got '0022538X'

## Warning: Expecting numeric in U74495 / R74495C21: got '0022538X'

## Warning: Expecting numeric in U74658 / R74658C21: got '1024123X'

## Warning: Expecting numeric in U75019 / R75019C21: got '0022538X'

## Warning: Expecting numeric in U76066 / R76066C21: got '1024123X'

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## Warning: Expecting numeric in U77609 / R77609C21: got '0022538X'

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## Warning: Expecting numeric in U77923 / R77923C21: got '0022538X'

## Warning: Expecting numeric in U78234 / R78234C21: got '1061186X'

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## Warning: Expecting numeric in U80314 / R80314C21: got '0022538X'

## Warning: Expecting numeric in U80530 / R80530C21: got '1563535X'

## Warning: Expecting numeric in U81097 / R81097C21: got '0022538X'

## Warning: Expecting numeric in U81600 / R81600C21: got '0022538X'

## Warning: Expecting numeric in U81651 / R81651C21: got '0022538X'

## Warning: Expecting numeric in U81922 / R81922C21: got '0038092X'

## Warning: Expecting numeric in U82485 / R82485C21: got '1360080X'

## Warning: Expecting numeric in U82655 / R82655C21: got '0022538X'

## Warning: Expecting numeric in U82975 / R82975C21: got '0022538X'

## Warning: Expecting numeric in U83101 / R83101C21: got '1563535X'

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## Warning: Expecting numeric in U83380 / R83380C21: got '0022538X'

## Warning: Expecting numeric in U83662 / R83662C21: got '1061186X'

## Warning: Expecting date in AR84080 / R84080C44: got '1893-01-01'

## Warning: Expecting numeric in U84185 / R84185C21: got '0022538X'

## Warning: Expecting numeric in U84725 / R84725C21: got '1061186X'

## Warning: Expecting numeric in U85145 / R85145C21: got '0022538X'

## Warning: Expecting numeric in U86022 / R86022C21: got '0022538X'

## Warning: Expecting numeric in U86143 / R86143C21: got '0022538X'

## Warning: Expecting numeric in U86316 / R86316C21: got '0148396X'

## Warning: Expecting date in AR86729 / R86729C44: got '1895-02-01'

## Warning: Expecting numeric in U87717 / R87717C21: got '0022538X'

## Warning: Expecting numeric in U88764 / R88764C21: got '0022538X'

## Warning: Expecting numeric in U91554 / R91554C21: got '0022538X'

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## Warning: Expecting numeric in U95710 / R95710C21: got '1563535X'

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## Warning: Expecting numeric in U97906 / R97906C21: got '0022538X'

## Warning: Expecting date in AR97973 / R97973C44: got '1895-02-01'

## Warning: Expecting numeric in U98622 / R98622C21: got '1061186X'

## Warning: Expecting numeric in U99919 / R99919C21: got '0022538X'

## Warning: Expecting numeric in U100152 / R100152C21: got '0022538X'

## Warning: Expecting numeric in U100201 / R100201C21: got '0022538X'

## Warning: Expecting date in AR100465 / R100465C44: got '1897-05-12'

## Warning: Expecting numeric in U100605 / R100605C21: got '1469185X'

## Warning: Expecting numeric in U100991 / R100991C21: got '0038092X'

## Warning: Expecting date in AR101025 / R101025C44: got 'None'

## Warning: Expecting numeric in BI101025 / R101025C61: got 'None'

## Warning: Expecting date in AR101026 / R101026C44: got 'None'

## Warning: Expecting numeric in BI101026 / R101026C61: got 'None'

## Warning: Expecting date in AR101027 / R101027C44: got 'None'

## Warning: Expecting numeric in BI101027 / R101027C61: got 'None'

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## Warning: Expecting date in AR101029 / R101029C44: got 'None'

## Warning: Expecting numeric in BI101029 / R101029C61: got 'None'

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## Warning: Expecting date in AR101037 / R101037C44: got 'None'

## Warning: Expecting numeric in BI101037 / R101037C61: got 'None'

## Warning: Expecting date in AR101038 / R101038C44: got 'None'

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## Warning: Expecting date in AR101043 / R101043C44: got 'None'

## Warning: Expecting numeric in BI101043 / R101043C61: got 'None'

## Warning: Expecting date in AR101044 / R101044C44: got 'None'

## Warning: Expecting numeric in BI101044 / R101044C61: got 'None'

## Warning: Expecting date in AR101045 / R101045C44: got 'None'

## Warning: Expecting numeric in BI101045 / R101045C61: got 'None'

## Warning: Expecting date in AR101046 / R101046C44: got 'None'

## Warning: Expecting numeric in BI101046 / R101046C61: got 'None'

## Warning: Expecting date in AR101047 / R101047C44: got 'None'

## Warning: Expecting numeric in BI101047 / R101047C61: got 'None'

## Warning: Expecting date in AR101048 / R101048C44: got 'None'

## Warning: Expecting numeric in BI101048 / R101048C61: got 'None'

## Warning: Expecting date in AR101049 / R101049C44: got 'None'

## Warning: Expecting numeric in BI101049 / R101049C61: got 'None'

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## Warning: Expecting date in AR101230 / R101230C44: got 'None'

## Warning: Expecting numeric in BI101230 / R101230C61: got 'None'

## Warning: Expecting date in AR101231 / R101231C44: got 'None'

## Warning: Expecting numeric in BI101231 / R101231C61: got 'None'

## Warning: Expecting date in AR101232 / R101232C44: got 'None'

## Warning: Expecting numeric in BI101232 / R101232C61: got 'None'

## Warning: Expecting date in AR101233 / R101233C44: got 'None'

## Warning: Expecting numeric in BI101233 / R101233C61: got 'None'

## Warning: Expecting date in AR101234 / R101234C44: got 'None'

## Warning: Expecting numeric in BI101234 / R101234C61: got 'None'

## Warning: Expecting date in AR101235 / R101235C44: got 'None'

## Warning: Expecting numeric in BI101235 / R101235C61: got 'None'

## Warning: Expecting date in AR101236 / R101236C44: got 'None'

## Warning: Expecting numeric in BI101236 / R101236C61: got 'None'

## Warning: Expecting date in AR101237 / R101237C44: got 'None'

## Warning: Expecting numeric in BI101237 / R101237C61: got 'None'

## Warning: Expecting date in AR101238 / R101238C44: got 'None'

## Warning: Expecting numeric in BI101238 / R101238C61: got 'None'

## Warning: Expecting numeric in BI101239 / R101239C61: got 'None'

## Warning: Expecting numeric in BI101240 / R101240C61: got 'None'

## Warning: Expecting numeric in BI101241 / R101241C61: got 'None'

## Warning: Expecting numeric in BI101242 / R101242C61: got 'None'

## Warning: Expecting numeric in BI101243 / R101243C61: got 'None'

## Warning: Expecting date in AR101244 / R101244C44: got 'None'

## Warning: Expecting numeric in BI101244 / R101244C61: got 'None'

## Warning: Expecting date in AR101245 / R101245C44: got 'None'

## Warning: Expecting numeric in BI101245 / R101245C61: got 'None'

## Warning: Expecting date in AR101246 / R101246C44: got 'None'

## Warning: Expecting numeric in BI101246 / R101246C61: got 'None'

## Warning: Expecting numeric in BI101247 / R101247C61: got 'None'

## Warning: Expecting date in AR101248 / R101248C44: got 'None'

## Warning: Expecting numeric in BI101248 / R101248C61: got 'None'

## Warning: Expecting date in AR101249 / R101249C44: got 'None'

## Warning: Expecting numeric in BI101249 / R101249C61: got 'None'

## Warning: Expecting date in AR101250 / R101250C44: got 'None'

## Warning: Expecting numeric in BI101250 / R101250C61: got 'None'

## Warning: Expecting date in AR101251 / R101251C44: got 'None'

## Warning: Expecting numeric in BI101251 / R101251C61: got 'None'

## Warning: Expecting numeric in BI101252 / R101252C61: got 'None'

## Warning: Expecting date in AR101253 / R101253C44: got 'None'

## Warning: Expecting numeric in BI101253 / R101253C61: got 'None'

## Warning: Expecting date in AR101254 / R101254C44: got 'None'

## Warning: Expecting numeric in BI101254 / R101254C61: got 'None'

## Warning: Expecting date in AR101255 / R101255C44: got 'None'

## Warning: Expecting numeric in BI101255 / R101255C61: got 'None'

## Warning: Expecting date in AR101256 / R101256C44: got 'None'

## Warning: Expecting numeric in BI101256 / R101256C61: got 'None'

## Warning: Expecting date in AR101257 / R101257C44: got 'None'

## Warning: Expecting numeric in BI101257 / R101257C61: got 'None'

## Warning: Expecting numeric in BI101258 / R101258C61: got 'None'

## Warning: Expecting date in AR101259 / R101259C44: got 'None'

## Warning: Expecting numeric in BI101259 / R101259C61: got 'None'

## Warning: Expecting date in AR101260 / R101260C44: got 'None'

## Warning: Expecting numeric in BI101260 / R101260C61: got 'None'

## Warning: Expecting date in AR101261 / R101261C44: got 'None'

## Warning: Expecting numeric in BI101261 / R101261C61: got 'None'

## Warning: Expecting date in AR101262 / R101262C44: got 'None'

## Warning: Expecting numeric in BI101262 / R101262C61: got 'None'

## Warning: Expecting date in AR101263 / R101263C44: got 'None'

## Warning: Expecting numeric in BI101263 / R101263C61: got 'None'

## Warning: Expecting date in AR101264 / R101264C44: got 'None'

## Warning: Expecting numeric in BI101264 / R101264C61: got 'None'

## Warning: Expecting numeric in BI101265 / R101265C61: got 'None'

## Warning: Expecting date in AR101266 / R101266C44: got 'None'

## Warning: Expecting numeric in BI101266 / R101266C61: got 'None'

## Warning: Expecting date in AR101267 / R101267C44: got 'None'

## Warning: Expecting numeric in BI101267 / R101267C61: got 'None'

## Warning: Expecting date in AR101268 / R101268C44: got 'None'

## Warning: Expecting numeric in BI101268 / R101268C61: got 'None'

## Warning: Expecting date in AR101269 / R101269C44: got 'None'

## Warning: Expecting numeric in BI101269 / R101269C61: got 'None'

## Warning: Expecting numeric in BI101270 / R101270C61: got 'None'

## Warning: Expecting date in AR101271 / R101271C44: got 'None'

## Warning: Expecting numeric in BI101271 / R101271C61: got 'None'

## Warning: Expecting date in AR101272 / R101272C44: got 'None'

## Warning: Expecting numeric in BI101272 / R101272C61: got 'None'

# revues  
jnal <- select(df, starts\_with("Journal"))  
  
## explo rapide  
glimpse(df)

## Rows: 101,271  
## Columns: 63  
## $ `id (extraction com)` <dbl> 106986, 45360, 8682, 47655, 49775, 112314, …  
## $ publication <dbl> 106986, 45360, 8682, 47655, 49775, 112335, …  
## $ original\_id <dbl> 6312980, 46432, 9625, 48710, 50835, 6363840…  
## $ pubpeer\_id <chr> "8433C5FC2302E0FDE2FCED86A3D84A", "47D25513…  
## $ PMID\_PubPeerMirror <chr> "25944005", "None", "26199218", "None", "No…  
## $ PMID\_Openalex <chr> "25944005", "None", "26199218", "None", "No…  
## $ PMCID\_PubPeerMirror <chr> "None", "None", "PMC4575636", "None", "None…  
## $ PMCID\_Openalex <chr> "None", "None", "PMC4575636", "None", "None…  
## $ Openalex\_ID <chr> "W999352312", "W997304194", "W996371049", "…  
## $ `url article` <chr> "http://www.ncbi.nlm.nih.gov/pubmed/2594400…  
## $ DOI <chr> "10.1007/s00262-015-1701-9", "10.1007/s4073…  
## $ Titre <chr> "CD163+CD14+ macrophages, a potential immun…  
## $ Titre\_scrapé <chr> "CD163+CD14+ macrophages, a potential immun…  
## $ Source <chr> "Cancer Immunology, Immunotherapy", "Psycho…  
## $ mag\_id\_Source <dbl> 203303425, 92682373, 187348256, 47477353, 1…  
## $ Journal\_title\_WOS <chr> "CANCER IMMUNOLOGY IMMUNOTHERAPY", "PSYCHOL…  
## $ Journal\_Titre\_Scimago <chr> "Cancer Immunology, Immunotherapy", "Psycho…  
## $ issn <chr> "['1432-0851', '0340-7004']", "['0033-2933'…  
## $ issn1 <chr> "14320851", "332933", "15527433", "18688527…  
## $ issn2 <chr> "3407004", "21633452", "1461672", "18688535…  
## $ issn3 <dbl> NA, NA, NA, NA, NA, NA, NA, NA, 10678816, N…  
## $ issn4 <lgl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,…  
## $ issn5 <lgl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,…  
## $ issn6 <lgl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,…  
## $ issn7 <lgl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,…  
## $ issn8 <lgl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,…  
## $ issn9 <lgl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,…  
## $ issn10 <lgl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,…  
## $ issn11 <lgl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,…  
## $ `issn-recodé\_0` <chr> "14320851", "332933", "15527433", "18688527…  
## $ issn\_recodé <dbl> 3407004, 332933, 1461672, 18688527, 8822689…  
## $ Journal\_Categories\_WOS <chr> "[\"Oncology\", \"Immunology\"]", "[\"Psych…  
## $ Journal\_Areas\_WOS <chr> "[\"Oncology\",\"Immunology\"]", "[\"Psycho…  
## $ Journal\_ESI\_disciplines <chr> "[\"Clinical Medicine\", \"Immunology\"]", …  
## $ Journal\_Domaines\_WOS <chr> "[\"Life Sciences & Biomedicine\"]", "[\"So…  
## $ Journal\_Categories\_Scimago <chr> "[\"Cancer Research\", \"Immunology\", \"Im…  
## $ Journal\_Areas\_Scimago <chr> "[\"Biochemistry Genetics and Molecular Bio…  
## $ Journal\_Domaines\_Scimago <chr> "[\"Life Sciences\", \"Health Sciences\"]",…  
## $ Journal\_Rank\_SJR\_2021 <dbl> 1638, 9861, 1005, 2865, 4758, 16652, NA, 98…  
## $ Journal\_Indice\_SJR\_2021 <dbl> 1.723, 0.508, 2.273, 1.245, 0.906, 0.244, N…  
## $ Journal\_H\_index\_2021 <dbl> 121, 55, 205, 68, 75, 52, NA, 55, 528, NA, …  
## $ Journal\_Pays <chr> "Germany", "Switzerland", "United States", …  
## $ Journal\_Région <chr> "Western Europe", "Western Europe", "Northe…  
## $ Date <dttm> 2015-05-06, 2015-07-11, 2015-07-21, 2016-0…  
## $ Année <dbl> 2015, 2015, 2015, 2016, 2016, 2015, 2012, 2…  
## $ Type <chr> "journal-article", "journal-article", "jour…  
## $ Open\_Access <chr> "{'is\_oa': False, 'oa\_status': 'closed', 'o…  
## $ Retracted <chr> "False", "False", "False", "False", "False"…  
## $ `Mots-clés` <chr> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA,…  
## $ mots\_clés\_MESH <chr> "[]", "[]", "['Homosexuality', 'Interperson…  
## $ `Résumé PubPeerMirror` <chr> "Malignant pleural effusion (MPE) is a comm…  
## $ `Résumé Open Alex` <chr> "None", "Two experiments examined the condi…  
## $ concepts\_mot <chr> "['Biomarker', 'Pleural effusion', 'CD163',…  
## $ concepts\_level <chr> "[2, 2, 4, 3, 2, 0, 1, 3, 1, 3, 0, 1, 1, 2]…  
## $ Auteurs <chr> "['Fei Wang', 'Li Yang', 'Qun Gao', 'Lan Hu…  
## $ Institutions <chr> "['Zhengzhou University', 'First Affiliated…  
## $ Institution\_total <chr> "['School of Life Sciences, Zhengzhou Unive…  
## $ id\_ror <chr> "04ypx8c21", "['053fq8t95', '053fq8t95']", …  
## $ Type\_institution <chr> "education", "['education', 'education']", …  
## $ Pays\_institution <chr> "CN", "['GB', 'GB']", "['US', 'US']", "['US…  
## $ Cité <dbl> 35, 1, 80, 26, 5, 25, 1, 9, 59, 12, 6, 51, …  
## $ Cité\_année <chr> "[{'year': 2022, 'cited\_by\_count': 8}, {'ye…  
## $ `Nombre de commentaires` <dbl> 1, 1, 1, 1, 1, 1, 16, 1, 2, 7, 1, 1, 1, 1, …

describe(df$concepts\_mot)

## [101271 obs.]   
## character: "['Biomarker', 'Pleural effusion', 'CD163', 'CD14', 'Immune system', 'Medicine', 'Immunology', 'Malignant pleural effusion', 'Pathology', 'Macrophage', 'Biology', 'Internal medicine', 'Biochemistry', 'In vitro']" "['Psychology', 'Eyeblink conditioning', 'Interstimulus interval', 'Classical conditioning', 'Conditioning', 'Cognitive psychology', 'Conditioned response', 'Stimulus (psychology)', 'Audiology', 'Neuroscience', 'Statistics', 'Mathematics', 'Medicine', 'Stimulation']" "['Psychology', 'Stigma (botany)', 'Association (psychology)', 'Developmental psychology', 'Clinical psychology', 'Social psychology', 'Psychiatry', 'Psychotherapist']" "['Mindfulness', 'Rumination', 'Psychology', 'Borderline personality disorder', 'Psychotherapist', 'Clinical psychology', 'Personality', 'Meditation', 'Psychiatry', 'Social psychology', 'Cognition', 'Philosophy', 'Theology']" "['Psychology', 'Anxiety', 'Clinical psychology', 'Developmental psychology', 'Psychiatry']" "['Propofol', 'Transfection', 'Apoptosis', 'Downregulation and upregulation', 'Cancer cell', 'Cell growth', 'Flow cytometry', 'microRNA', 'MTT assay', 'Cancer', 'Cancer research', 'Chemistry', 'Cell', 'Matrigel', 'Cell culture', 'Molecular biology', 'Biology', 'Pharmacology', 'Medicine', 'Internal medicine', 'Gene', 'Biochemistry', 'Genetics']" "['Epoxy', 'Composite material', 'Materials science', 'Composite number', 'Ballistic impact', 'Finite element method', 'Ballistic limit', 'Graphite', 'Light-gas gun', 'Structural engineering', 'Engineering', 'Projectile', 'Metallurgy']" "['Psychology', 'Normative', 'Population', Ain't, 'Social psychology', 'Cognitive psychology', 'Epistemology', 'Philosophy', 'Linguistics', 'Demography', 'Sociology']" "['SMAD', 'Peroxisome proliferator-activated receptor', 'Transforming growth factor beta', 'Signal transduction', 'Biology', 'Cell biology', 'Cancer research', 'Cancer cell', 'Transforming growth factor', 'Endocrinology', 'Internal medicine', 'Chemistry', 'Receptor', 'Biochemistry', 'Cancer', 'Medicine', 'Genetics']" "['Breast cancer', 'Carcinogenesis', 'Cancer research', 'Cell growth', 'microRNA', 'Medicine', 'Cell cycle', 'Cancer', 'Cell', 'Reverse transcription polymerase chain reaction', 'Malignancy', 'Biology', 'Pathology', 'Internal medicine', 'Messenger RNA', 'Gene', 'Biochemistry', 'Genetics']" ...  
## NAs: 248 (0.2%) - 99796 unique values

describe(df$Journal\_Categories\_WOS)

## [101271 obs.]   
## character: "["Oncology", "Immunology"]" "["Psychology, Multidisciplinary"]" "["Psychology, Social"]" "["Psychology, Clinical", "Psychiatry"]" "["Psychology, Clinical"]" "["Genetics & Heredity"]" NA "["Psychology, Multidisciplinary"]" "["Biochemistry & Molecular Biology"]" "["Medicine, Research & Experimental"]" ...  
## NAs: 10837 (10.7%) - 1420 unique values

describe(df$Journal\_Domaines\_WOS)

## [101271 obs.]   
## character: "["Life Sciences & Biomedicine"]" "["Social Sciences"]" "["Social Sciences"]" "["Social Sciences", "Life Sciences & Biomedicine"]" "["Social Sciences"]" "["Life Sciences & Biomedicine"]" NA "["Social Sciences"]" "["Life Sciences & Biomedicine"]" "["Life Sciences & Biomedicine"]" ...  
## NAs: 10837 (10.7%) - 41 unique values

describe(df$Journal\_Domaines\_Scimago)

## [101271 obs.]   
## character: "["Life Sciences", "Health Sciences"]" "["Social Sciences"]" "["Social Sciences"]" "["Social Sciences"]" "["Social Sciences"]" "["Life Sciences", "Health Sciences"]" NA "["Social Sciences"]" "["Life Sciences"]" NA ...  
## NAs: 5936 (5.9%) - 47 unique values

# Calculer les fréquences pour avoir une idée de la distribution des sites  
jwos <- df$Journal\_title\_WOS |>  
 fct\_infreq() |>   
 questionr::freq()  
  
  
# Obtenir le nombre de publications par pays dans la base openalex  
response <- GET("https://api.openalex.org/works?group\_by=institutions.country\_code")  
json\_data <- content(response, as = "text")

## No encoding supplied: defaulting to UTF-8.

json\_data <- fromJSON(json\_data)  
df\_publications <- as.data.frame(json\_data$group\_by)