# Install and load required packages  
#install.packages("gapminder")  
#install.packages("dplyr")  
#install.packages("ggplot2")  
#  
library(gapminder)  
library(dplyr)

##   
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':  
##   
## filter, lag

## The following objects are masked from 'package:base':  
##   
## intersect, setdiff, setequal, union

library(ggplot2)  
  
# Filter the data (1952-2007)  
gapminder\_filtered <- gapminder %>%  
 filter(year >= 1952 & year <= 2007)  
  
# Plot life expectancy trends across continents  
ggplot(gapminder\_filtered, aes(x=year, y=lifeExp, color=continent, group=country)) +  
 geom\_line(aes(linetype=continent), alpha=0.6) + # Line plot with linetypes for clarity  
 stat\_summary(aes(group=continent), fun="mean", geom="line", size=1.2, linetype="solid") + # Mean trends  
 labs(title="Life Expectancy Trends by Continent (1952-2007)",   
 x="Year", y="Life Expectancy",   
 subtitle="Data from the Gapminder dataset") +  
 theme\_minimal() + # Clean, simple theme  
 theme(legend.position="bottom", legend.title=element\_blank()) # Consistent, minimal legend

## Warning: Using `size` aesthetic for lines was deprecated in ggplot2 3.4.0.  
## ℹ Please use `linewidth` instead.  
## This warning is displayed once every 8 hours.  
## Call `lifecycle::last\_lifecycle\_warnings()` to see where this warning was  
## generated.

