

research

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```
library(tidyverse)
library(readr)
library(kableExtra)
library(bookdown)
library(tinytex)
library(rgdal)
library(sf)
library(gganimate)
library(ggrepel)
```

Research questions

Rice consumption vs. latitude and region, 2015

Data

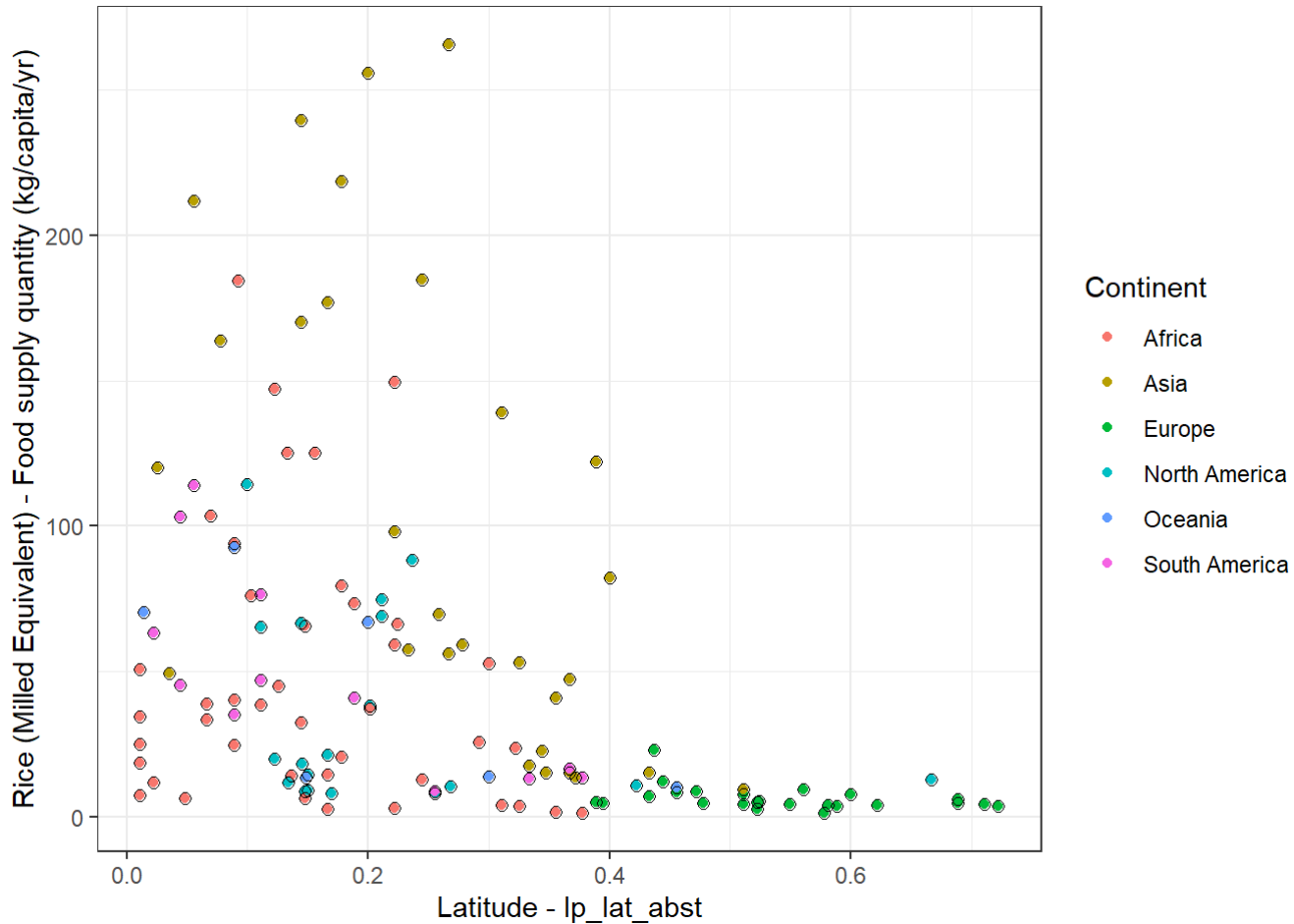
Analysis

```
knitr::kable(
  head(arrange(data_tidy, desc(`Rice (Milled Equivalent) - Food supply quantity (kg/capita/yr)
`)),20), caption = 'Rice consumption',
  booktabs = TRUE, digits = 2
) %>%
kable_styling(latex_options = c("striped", "hold_position"))
```

Rice consumption

Entity	Code	Year	Rice (Milled Equivalent) - Food supply quantity (kg/capita/yr)	Latitude - lp_lat_abst	Continent
Bangladesh	BGD	2015	265.55	0.27	Asia
Laos	LAO	2015	255.64	0.20	Asia
Cambodia	KHM	2015	239.70	0.14	Asia
Vietnam	VNM	2015	218.73	0.18	Asia
Indonesia	IDN	2015	211.79	0.06	Asia
Myanmar	MMR	2015	184.80	0.24	Asia
Sierra Leone	SLE	2015	184.36	0.09	Africa

Entity	Code	Year	Rice (Milled Equivalent) - Food supply quantity (kg/capita/yr)	Latitude - Ip_lat_abst	Continent
Thailand	THA	2015	176.85	0.17	Asia
Philippines	PHL	2015	170.10	0.14	Asia
Sri Lanka	LKA	2015	163.80	0.08	Asia
Madagascar	MDG	2015	149.60	0.22	Africa
Guinea	GIN	2015	147.12	0.12	Africa
Nepal	NPL	2015	139.06	0.31	Asia
Guinea- Bissau	GNB	2015	125.14	0.13	Africa
Senegal	SEN	2015	125.10	0.16	Africa
China	CHN	2015	122.20	0.39	Asia
Malaysia	MYS	2015	119.96	0.03	Asia
Panama	PAN	2015	114.50	0.10	North America
Guyana	GUY	2015	113.97	0.06	South America
Liberia	LBR	2015	103.64	0.07	Africa



Annual per capita consumption of rice in different countries

Table 1 ranks all the Annual per capita consumption of rice in different countries in 2015 in descending order, while Figure 1 plots the distribution by Latitude and the geographical region to which the country belongs.

According to Table 1, the top 5 countries with the largest rice consumption are Bangladesh, Laos, Cambodia, Vietnam, In combination with Figure 1, it is easy to notice the phenomenon that the countries with higher Annual per capita consumption of rice are mainly in the Latitude between 0 and 0.4. Also, when looking at the color of the points, it can be seen that the points representing higher rice consumption represent the map areas of Africa and Asia.