Package ‘arthistory’

May 3, 2022

Title Art History Textbook Data

Version 0.1.0

Description Data from Gardner and Janson art history textbooks about both the artists featured in these books as well as their works.

See Helen Gardner ("Art through the ages; an introduction to its history and significance," 1926, [https://find.library.duke.edu/catalog/DUKE000104481](https://find.library.duke.edu/catalog/DUKE000104481).)


Helen Gardner ("Art through the ages; an introduction to its history and significance," 1936, [https://find.library.duke.edu/catalog/DUKE001199463](https://find.library.duke.edu/catalog/DUKE001199463).)

Helen Gardner ("Art through the ages," 1948, [https://find.library.duke.edu/catalog/DUKE001199466](https://find.library.duke.edu/catalog/DUKE001199466).)

Helen Gardner, revised under the editorship of Sumner M. Crosby ("Art through the ages," 1959, [https://find.library.duke.edu/catalog/DUKE001199469](https://find.library.duke.edu/catalog/DUKE001199469).)


Davies, Penelope J.E., Walter B. Denny, Frima Fox Hofrichter, Joseph F. Jacobs, Ann S. Roberts, David L. Simon ("Janson’s history of art: the western tradi-
topics documented:


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Description

Artists by edition of Gardner or Janson’s art history textbook

Usage

artists

Format

A data frame with 3,162 observations on 14 variables.

artist_name  The name of the artist.

edition_number  The number of the edition of either Gardner’s Art Through the Ages or Janson’s History of Art.

year  The year of publication.

artist_nationality  The nationality of the artist.

artist_nationality_other  The nationality of the artist. Of the total count of artists through all editions of Gardner’s Art Through the Ages and Janson’s History of Art, 77.32% account for French, Spanish, British, American and German. Therefore, the categorical strings of this variable are French, Spanish, British, American, German and Other.

artist_gender  The gender of the artist.

artist_race  The race of the artist.

artist_ethnicity  The ethnicity of the artist.

book  Which book, either Janson or Gardner the particular artist at that particular time was included.

space_ratio_per_page_total  The area in centimeters squared of both the text and the figure of a particular artist in a given edition of Janson’s History of Art or Gardner’s Art Through the Ages divided by the area in centimeters squared of a single page of the respective edition.

artist_unique_id  A unique identifying number assigned to artists across books and editions denoted in alphabetical order.

moma_count_to_year  The count of exhibitions held by the Museum of Modern Art (MoMA) of a particular artist at a particular moment of time, as highlighted by year.

whitney_count_to_year  The count of exhibitions held by The Whitney of a particular artist at a particular moment of time, as highlighted by year.

artist_race_nwi  The non-white indicator for artist race, meaning if an artist’s race is denoted as either white or non-white.

Source

Examples

```r
library(ggplot2)
library(dplyr)

artists %>%
ggplot(aes(y = book, fill = artist_gender)) +
  geom_bar() +
  labs(
    title = "Gender by Book",
    x = "Count of Artists",
    y = "Book",
    fill = "Artist Gender")
```

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**worksgardner**

Works of art from *Gardner’s Art Through the Ages* from 1926 until 2020

**Description**

Works of art from Gardner’s Art Through the Ages from 1926 until 2020

**Usage**

`worksgardner`

**Format**

A data frame with 2,325 observations on 24 variables.

- **artist_name**: The name of a given artist in a given edition of *Gardner’s Art Through the Ages* who has created a two-dimensional work after c. 1750.
- **edition_number**: The number of the edition of *Gardner’s Art Through the Ages*.
- **title_of_work**: The title of the work as listed in *Gardner’s Art Through the Ages*.
- **publication_year**: The year of publication.
- **page_number_of_image**: The page number of the figure of the image in the text.
- **artist_unique_id**: A unique number assigned to each artist included in *Gardner’s Art Through the Ages* that has created a two-dimensional work after c. 1750.
- **artist_nationality**: The nationality of the artist.
- **artist_gender**: The gender of the artist.
- **artist_race**: The race of the artist.
- **artist_ethnicity**: The ethnicity of the artist.
- **width_of_work_in_book**: The width in centimeters of the figure of the work in the book itself.
- **height_of_text**: The height in centimeters of the text written about a given work by a given artist in a given edition.
width_of_text The width in centimeters of the text written about a given work by a given artist in a given edition.

extra_text_height The height in centimeters of the extra text written if the text of the work of an artist is not in a rectangular shape.

eextra_text_width The width in centimeters of the extra text written if the text of the work of an artist is not in a rectangular shape.

area_of_work_in_book The area in centimeters squared of a work in the text.

area_of_text The area in centimeters squared written about a work in the text.

extra_text_area The extra area in centimeters squared written about a work if it is not rectangular in the text.

total_area_text The total area in centimeters squared written about a given work.

total_space The area of the work in centimeters squared plus the area of the text in centimeters squared given to a particular work.

page_area The area in centimeters squared of a page in a given edition of Gardner’s Art Through the Ages.

space_ratio_per_page The total space in centimeters squared divided by the area of a page in a given edition.

book The name of the book, Gardner’s Art Through the Ages, but gardner for short.

Source


Examples

library(ggplot2)
library(dplyr)

worksgardner %>%
  filter(artist_name == "Pablo Picasso") %>%
  ggplot(aes(x = publication_year)) +
  geom_bar() +
  labs(
    title = "Count of Works by Pablo Picasso Through Editions of Gardner's Art Through the Ages",
    x = "Year",
    y = "Number of Works by Picasso"
  )
Description

Works of art from Janson’s History of Art from 1963 until 2011

Usage

worksjanson

Format

A data frame with 1,634 observations on 25 variables.

- **artist_name**: The name of a given artist in a given edition of *Janson’s Art Through the Ages* who has created a two-dimensional work after c. 1750.
- **artist_unique_id**: A unique number assigned to each artist included in *Janson’s History of Art* that has created a two-dimensional work after c. 1750.
- **artist_nationality**: The nationality of the artist.
- **artist_gender**: The gender of the artist.
- **artist_race**: The race of the artist.
- **artist_ethnicity**: The ethnicity of the artist.
- **title_of_work**: The title of the work as listed in *Janson’s History of Art*
- **edition_number**: The number of the edition of *Janson’s History of Art*.
- **publication_year**: The year of publication.
- **part_in_text**: The number of the part in the text. In this case, every work is from part 4, “The Modern World.”
- **chapter_title**: The title of the chapter a given work is in.
- **start_date**: The year the artist began creating the work.
- **end_date**: The year the artist finished the work.
- **circa**: 1 if the date of the work was labeled with a circa (around) and 0 if the date of the work was not labeled with a circa.
- **medium**: The medium of the work.
- **height_of_work_in_book**: The height in centimeters of the work in a given edition of *Janson’s History of Art*.
- **width_of_work_in_book**: The width in centimeters of the work in a given edition of *Janson’s History of Art*.
- **height_of_text**: The height of text in centimeters of the text written about the work in a given edition of *Janson’s History of Art*.
- **width_of_text**: The width of text in centimeters of the text written about the work in a given edition of *Janson’s History of Art*.
area_actual_work  The area in centimeters squared of the actual work itself.
area_of_work_in_book  The area in centimeter’s squared of a given work in a given edition of Janson’s History of Art
area_of_text  The area in centimeter’s squared of the text of given work in a given edition of Janson’s History of Art
work_to_figure_ratio  The size of the actual work divided by the size of the work in the book
work_in_text_in_color  If the figure of the work in Janson’s History of Art was in color, such is denoted by a 1, if the figure of the work is not in color, such is denoted by a 0.
location_as_catalogued_in_janson  The location of the work as catalogued in a given edition of Janson’s History of Art.

Source

Examples
library(ggplot2)
library(dplyr)

worksjanson %>%
  filter(artist_name == "Pablo Picasso") %>%
ggplot(aes(x = publication_year)) +
  geom_bar() +
  labs(
    title = "Count of Works by Pablo Picasso Through Editions of Janson’s History of Art",
    x = "Year",
    y = "Number of Works by Picasso"
  )
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