# self_reflection.csv

Autogenerated data summary from dataMaid

2023-11-21 21:16:02

## Data report overview

The dataset examined has the following dimensions:

| Feature | Result |
|---|---|
| Number of observations | 951 |
| Number of variables | 20 |

## Codebook summary table

| Label | Variable | Class | # unique values | Missing | Description |
|---|---|---|---|---|---|
| Unique participant code | **participant_code** | character | 951 | 0.00 % | |
| Internal (abbreviated) treatment name | **player.inner_name** | character | 4 | 0.00 % | |
| The average non-gamified payoff for each participant. | **profit_nongamified** | numeric | 73 | 3.79 % | |
| The average gamified payoff for each participant. | **profit_gamified** | numeric | 79 | 3.26 % | |
| Participant's average normalized accuracy of first-tick predictions. | **accuracy_pred_zero_mean** | numeric | 13 | 0.00 % | |
| The average of a participantÕs prediction accuracy scores, where each score is normalized between zero (not accurate) and one (perfectly accurate). | **prediction_accuracy_mean** | numeric | 17 | 0.00 % | |

| Label | Variable | Class | # unique values | Missing | Description |
|---|---|---|---|---|---|
| Self-reported assessment of the player's knowledge in trading | **player.knowledge** | numeric | 11 | 0.00 % | |
| the difference between a participant's self-rated knowledge and their actual payoff, both normalized to a scale from 0 to 1 | **overconfidence** | numeric | 132 | 0.00 % | |
| Age of the player. | **player.age** | numeric | 67 | 0.00 % | |
| Payoff for the player in this round | **player.payoff** | numeric | 13 | 0.00 % | |
| Gender of the player. | **player.gender** | character | 3 | 0.00 % | |
| Did you take any course focused on financial markets | **player.course_financial** | numeric | 2 | 0.00 % | |
| Do you have any trading experience? | **player.trading_experience** | numeric | 2 | 0.00 % | |
| Do you use mobile trading apps? | **player.online_trading_experience** | numeric | 2 | 0.00 % | |
| If you could trade again, would you rather trade on a platform with Design #1 or Design #2? | **player.sr_prefs** | character | 2 | 0.00 % | |
| If you could trade again, would you expect to make better decisions when the market looks as in Design #1 or #2? | **player.sr_better_decs** | character | 2 | 0.00 % | |

| Label | Variable | Class | # unique values | Missing | Description |
|---|---|---|---|---|---|
| If you could trade again, would you prefer to be given an option between Design #1 and Design #2, or only trade on Design #1 | **player.sr_better_have_option** | character | 2 | 0.00 % | |
| Please rate the following trading app features on a scale from 1 (strongly dislike) to 5 (strongly like): Price notifications | **player.sr_notifications** | numeric | 6 | 33.44 % | |
| Please rate the following trading app features on a scale from 1 (strongly dislike) to 5 (strongly like): Achievement badges | **player.sr_badges** | numeric | 6 | 49.53 % | |
| Please rate the following trading app features on a scale from 1 (strongly dislike) to 5 (strongly like): Achievement messages and confetti | **player.sr_confetti** | numeric | 6 | 49.53 % | |

# Variable list

## participant_code

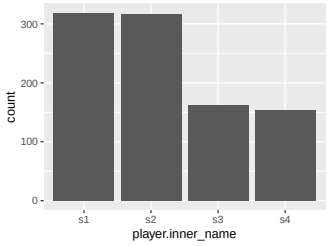
*Unique participant code*

- The variable is a key (distinct values for each observation).

## player.inner_name

*Internal (abbreviated) treatment name*

| Feature | Result |
|---|---|
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 4 |
| Mode | “s1” |




- Observed factor levels: "s1", "s2", "s3", "s4".

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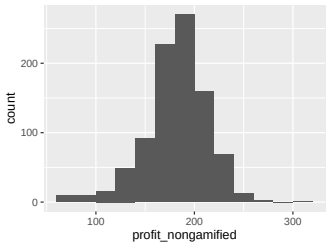
## profit_nongamified

*The average non-gamified payoff for each participant.*

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 36 (3.79 %) |
| Number of unique values | 72 |
| Median | 185 |
| 1st and 3rd quartiles | 167.5; 202.5 |
| Min. and max. | 60; 305 |

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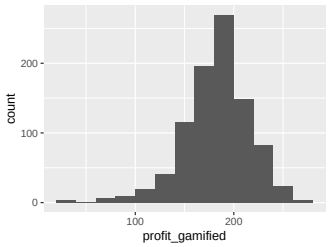
## profit_gamified

*The average gamified payoff for each participant.*

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 31 (3.26 %) |
| Number of unique values | 78 |
| Median | 187.5 |
| 1st and 3rd quartiles | 165; 205 |
| Min. and max. | 20; 280 |

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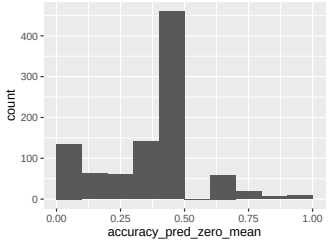
## accuracy_pred_zero_mean

*Participant's average normalized accuracy of first-tick predictions.*

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 13 |
| Median | 0.5 |
| 1st and 3rd quartiles | 0.25; 0.5 |
| Min. and max. | 0; 1 |

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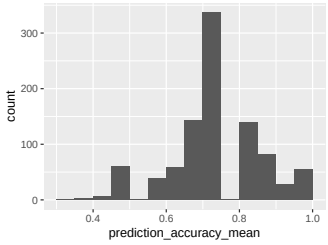
## prediction_accuracy_mean

*The average of a participantÕs prediction accuracy scores, where each score is normalized between zero (not accurate) and one (perfectly accurate).*

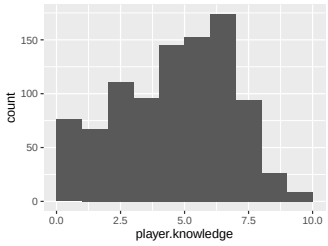
| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 17 |
| Median | 0.75 |
| 1st and 3rd quartiles | 0.67; 0.83 |
| Min. and max. | 0.33; 1 |




## player.knowledge

*Self-reported assessment of the player's knowledge in trading*

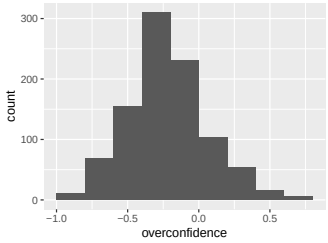
| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 11 |
| Median | 5 |
| 1st and 3rd quartiles | 3; 7 |
| Min. and max. | 0; 10 |




## overconfidence

*the difference between a participant's self-rated knowledge and their actual payoff, both normalized to a scale from 0 to 1*

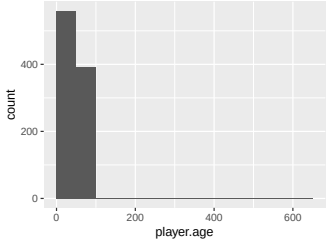
| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 132 |
| Median | -0.22 |
| 1st and 3rd quartiles | -0.38; -0.05 |
| Min. and max. | -0.9; 0.67 |




## player.age

*Age of the player.*

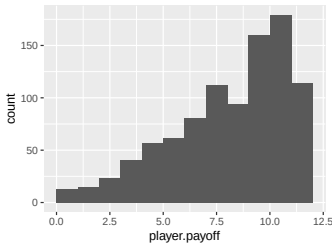
| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 67 |
| Median | 45 |
| 1st and 3rd quartiles | 32; 59 |
| Min. and max. | 2; 627 |



## player.payoff

*Payoff for the player in this round*

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 13 |
| Median | 9 |
| 1st and 3rd quartiles | 7; 11 |
| Min. and max. | 0; 12 |

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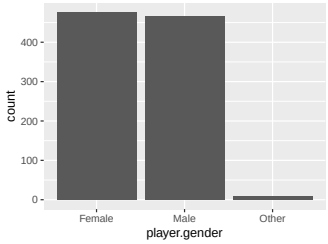
## player.gender

*Gender of the player.*

| Feature | Result |
|---|---|
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 3 |
| Mode | “Female” |




- Observed factor levels: "Female", "Male", "Other".

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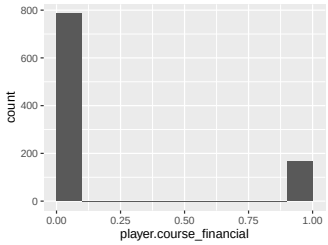
## player.course_financial

*Did you take any course focused on financial markets*

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 2 |
| Median | 0 |
| 1st and 3rd quartiles | 0; 0 |
| Min. and max. | 0; 1 |

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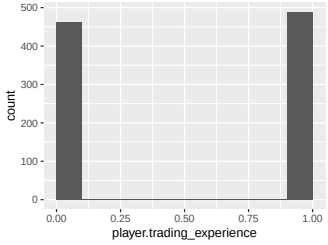
## player.trading_experience

*Do you have any trading experience?*

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 2 |
| Median | 1 |
| 1st and 3rd quartiles | 0; 1 |
| Min. and max. | 0; 1 |

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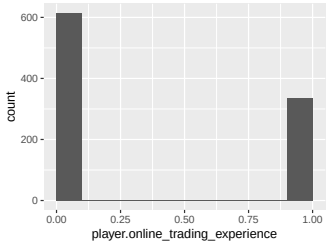
## player.online_trading_experience

*Do you use mobile trading apps?*

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 2 |
| Median | 0 |
| 1st and 3rd quartiles | 0; 1 |
| Min. and max. | 0; 1 |

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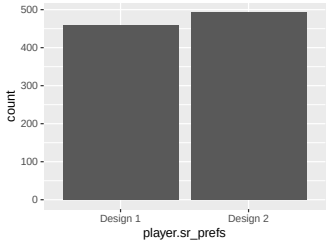
## player.sr_prefs

*If you could trade again, would you rather trade on a platform with Design #1 or Design #2?*

| Feature | Result |
|---|---|
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 2 |
| Mode | “Design 2” |




- Observed factor levels: "Design 1", "Design 2".

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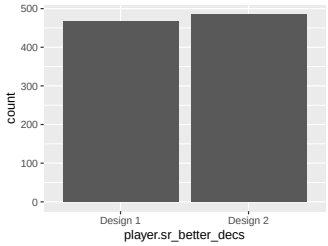
## player.sr_better_decs

*If you could trade again, would you expect to make better decisions when the market looks as in Design #1 or #2?*

| Feature | Result |
|---|---|
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 2 |
| Mode | “Design 2” |




- Observed factor levels: "Design 1", "Design 2".

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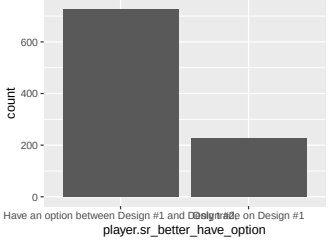
## player.sr_better_have_option

*If you could trade again, would you prefer to be given an option between Design #1 and Design #2, or only trade on Design #1*

| Feature | Result |
|---|---|
| Variable type | character |
| Number of missing obs. | 0 (0 %) |
| Number of unique values | 2 |
| Mode | “Have an option between Design #1 and Design #2,” |



- Observed factor levels: "Have an option between Design #1 and Design #2,", "Only trade on Design #1".

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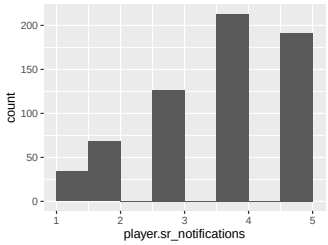
## player.sr_notifications

*Please rate the following trading app features on a scale from 1 (strongly dislike) to 5 (strongly like): Price notifications*

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 318 (33.44 %) |
| Number of unique values | 5 |
| Median | 4 |
| 1st and 3rd quartiles | 3; 5 |
| Min. and max. | 1; 5 |

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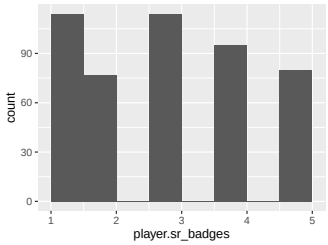
## player.sr_badges

*Please rate the following trading app features on a scale from 1 (strongly dislike) to 5 (strongly like): Achievement badges*

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 471 (49.53 %) |
| Number of unique values | 5 |
| Median | 3 |
| 1st and 3rd quartiles | 2; 4 |
| Min. and max. | 1; 5 |

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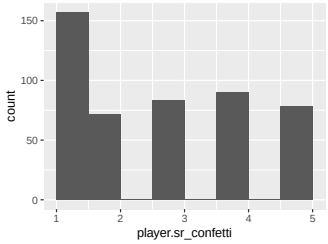
## player.sr_confetti

*Please rate the following trading app features on a scale from 1 (strongly dislike) to 5 (strongly like): Achievement messages and confetti*

| Feature | Result |
|---|---|
| Variable type | numeric |
| Number of missing obs. | 471 (49.53 %) |
| Number of unique values | 5 |
| Median | 3 |
| 1st and 3rd quartiles | 1; 4 |
| Min. and max. | 1; 5 |

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Report generation information:

- Created by: Philipp Chapkovski (username: `chapkovski`).
- Report creation time: Tue Nov 21 2023 21:16:02
- Report was run from directory: `/Users/chapkovski`
- dataMaid v1.4.1 [Pkg: 2021-10-08 from CRAN (R 4.2.0)]
- R version 4.2.1 (2022-06-23).
- Platform: aarch64-apple-darwin20 (64-bit)(macOS 14.1).

- Function call: `dataMaid::makeDataReport(data = df, mode = c("summarize", "visualize", "check"), smartNum = FALSE, file = "self_reflection.csv", replace = T, openResult = F, checks = list(character = "showAllFactorLevels", factor = "showAllFactorLevels", labelled = "showAllFactorLevels", haven_labelled = "showAllFactorLevels", numeric = NULL, integer = NULL, logical = NULL, Date = NULL), listChecks = FALSE, maxProbVals = Inf, codebook = TRUE, reportTitle = "self_reflection.csv")`