Rchess:: cheat sheet

Introduction

Rchess is a R wrapper class for **chessis**. Rchess can help you identify, edit, and plot chess positions. It contains multiple helper functions and plotting resources. You can learn more specifics at http://jkunst.com/rchess/.

> This Cheat sheet will help you familiarize Rchess.

Installing Rchess

CODE

Rchess can be installed using github, or Rstudio.

Install.packages("rchess") devtools::install github("jbkunst/rchess")

Changing Headers

CODE

Headers can be used to store information about the game. Ex) player, date, site...

chss <- Chess\$new() Environment chss\$header("White", "Me") chss\$header("Black", "You") chss\$header("Date", Sys.Date()) chss\$header("Site", "edav") Key, Value

Loading Positions

FEN and PGN are the two ways of expressing a chess game.

Functions Load_fen(str)

Description Load FEN into position

Load_pgn(str) Load PGN into position

Identify Positions



Functions	Description
	Describero.

Returns "w" or "b" Turn Type = "n" (knight) Get("c3") Color = "w" (white) Square_ Returns "dark" or "light" color("c3") Moves() Returns all legal moves

Returns all moves played

Identify Mate

History()



Functions Description

In check() True or False. Ex) True In_ True or False. Ex) True checkmate()

Game_over() True or False. Ex) True

Identify Draws



Functions Description

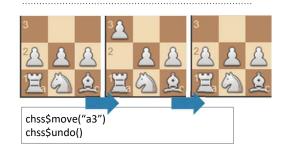
In_ stalemate() In_threefold repetition() Insufficient_ Material()

True or False. Ex) False

True or False. Ex) True

True or False. Ex) True

Edit Positions



Chess Data

Rchess contains 1266 intirinsic chess games from the chess wordchampionship in 2011, 2013, 2015.

It also contains the ECO (Encyclopedia of Chess Openings).

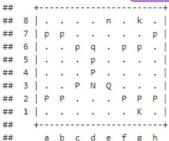
Data("chesswc") Data("chessopenings")

Plot



There are 3 major ways of outputting chess positions. 1. ASCII 2. Chessis and 3. ggchessboard(ggplot). Chessis is the most aesthetic option.

Bottom 2 have chss\$ascii() the same plot plot(chss) plot(chss, type = "ggplot") ggchessboard(chss\$fen())ggplot2 gramma







Citation: http://jkunst.com/rchess/.