

Lab 6 Simulate FIFA World Cup

round 1
team 1
team 2

round 2
team 1

team 1

game 2
team 3
team 4

team 3

read from csv
into teams list

team rating
team 1 976

team 2 1306

team 3 1166

team 4 1254

f = open('systems.csv')

reader = csv.DictReader(f)

skip - next(reader)

10 line for row in reader:

Uruguay = {

"team": "Uruguay",

"rating": 976

}

Simulate - tournament

[
 { team, rating }
 { team, rating }
 { team, rating }
 { team, rating }
]

Send this
through
① sim round
function
which returns

[
 { team, rating }
 { team, rating }
]

Pseudocode

1. Pass teams through
round function

2. Pass result through
round function

3. repeat untill
length of list is 1

② We pass this
through the
function which
returns list(teams) →

loop ✓

teams = winner of France

* each loop will update the list "teams"

if length of list is 1

break loop

and return the team
key with

Updating Counts in Main Function

Since simulate_tournament returns
team name of winner we
can:

loop N_x {
1. run teams list through $= x$
"simulate_tournament" function
2. Add returned value (teams[team])
to counts { }

for i in range(n) - counts(x) += 1

winner [teams 1

teams [1

teams 2

teams 3

teams 4]

]