Club Representatives' Meeting
December 17, 2020

Senior Men's Interclub

Tech Talk
...Quaesitor baculus multi novit
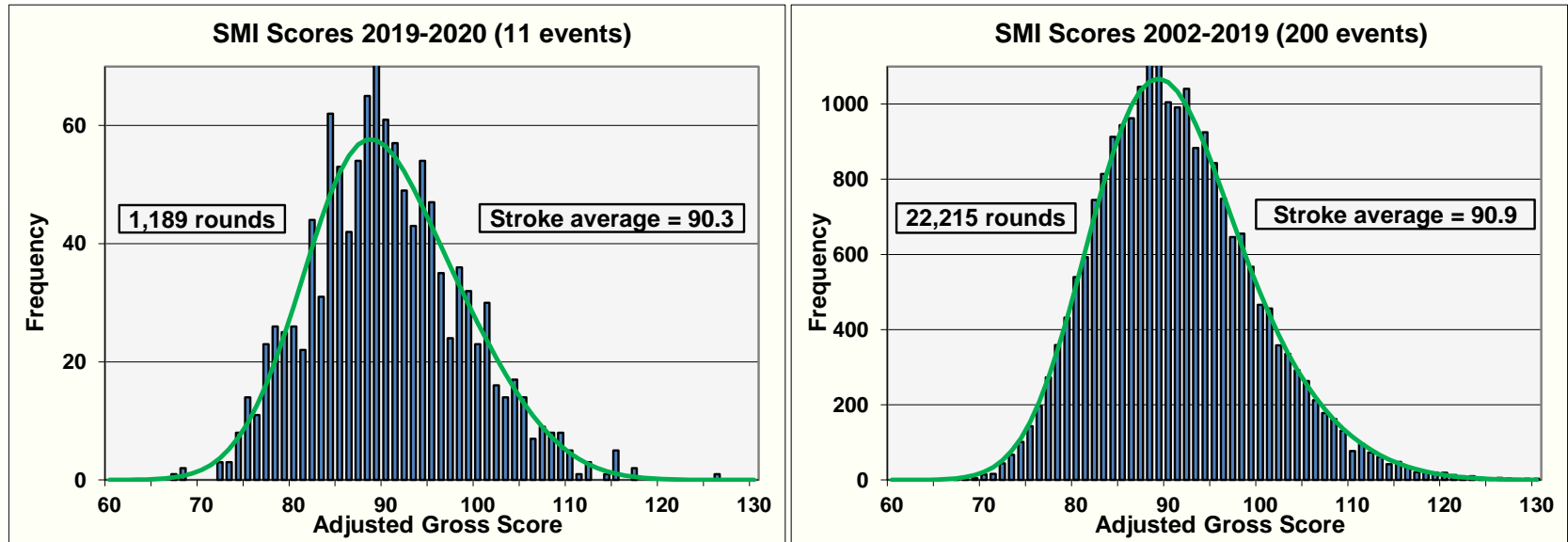
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Scoring Performance: Last 11 Events vs All Time
Normal Mixture-5 Distribution

Stroke distribution endures…

SMI Scores 2019-2020 (11 events)

1,189 rounds

Stroke average = 90.3

SMI Scores 2002-2019 (200 events)

22,215 rounds

Stroke average = 90.9

Flight distribution endures…

A	B	C	D	E	Flight	A	B	C	D	E
0-10	11-14	15-18	19-22	23-36	Indexes	0-10	11-14	15-18	19-22	23-36
81.6	86.4	89.6	95.0	99.3	AGS	82.4	87.5	91.3	96.0	102.0
16%	23%	27%	19%	14%	Players	18%	26%	25%	19%	12%

285/1390

!! A well-managed league attracts a stable pool of talent !!

Major Software Changes

- **Team size: 5, 6, 7, or 8 players**

- **Flight assignments: One or two tees**

- **World Handicap System launched**

  - **Calculations split between ScoreKeeper app and Excel/VBA apps**

  - **Two features not supported: Playing Conditions Calculation and Exceptional Score Reduction**

Pace of Play Simulation

- **We have simulated play on 13 courses**
  - **Twice each at Deerwood and Palencia**
  - **King & Bear, Orange Park, and Sawgrass remain**
- **Major finding**
  - **The difference in playing time between the worst and the best set of ten doubled starting tees is on the order of two minutes**
- **We will continue to identify bottleneck holes and refine simulation input parameters**

Pairings

- **Golf Genius uses 10 computers to build "perfect pairings." The process may take days to finish…if ever**
- **We use "balanced incomplete block design" theory to table perfect pairings for various tournament sizes (12 to 16 teams, 5- to 8-man groups)**

SMI constraint

Each four-man group consists of players from four different clubs

Social balance

Each team competes exactly twice against 12 other teams

13 TEAMS			
1	3	9	13
2	3	6	7
5	7	12	13
8	1	10	12
2	6	8	10
3	5	6	10
6	9	1	4
5	9	10	11
3	4	10	11
7	11	3	1
6	8	11	13
2	5	9	11
4	7	8	11
1	5	6	7
3	5	8	12
3	8	9	13
2	1	11	12
2	4	5	13
7	9	10	12
10	13	1	2
4	6	9	12
2	7	8	9
5	8	4	1
6	11	12	13
2	3	4	12
4	7	10	13

COVID-19 constraint

Each four-man group consists of two like-team pairs from two different teams
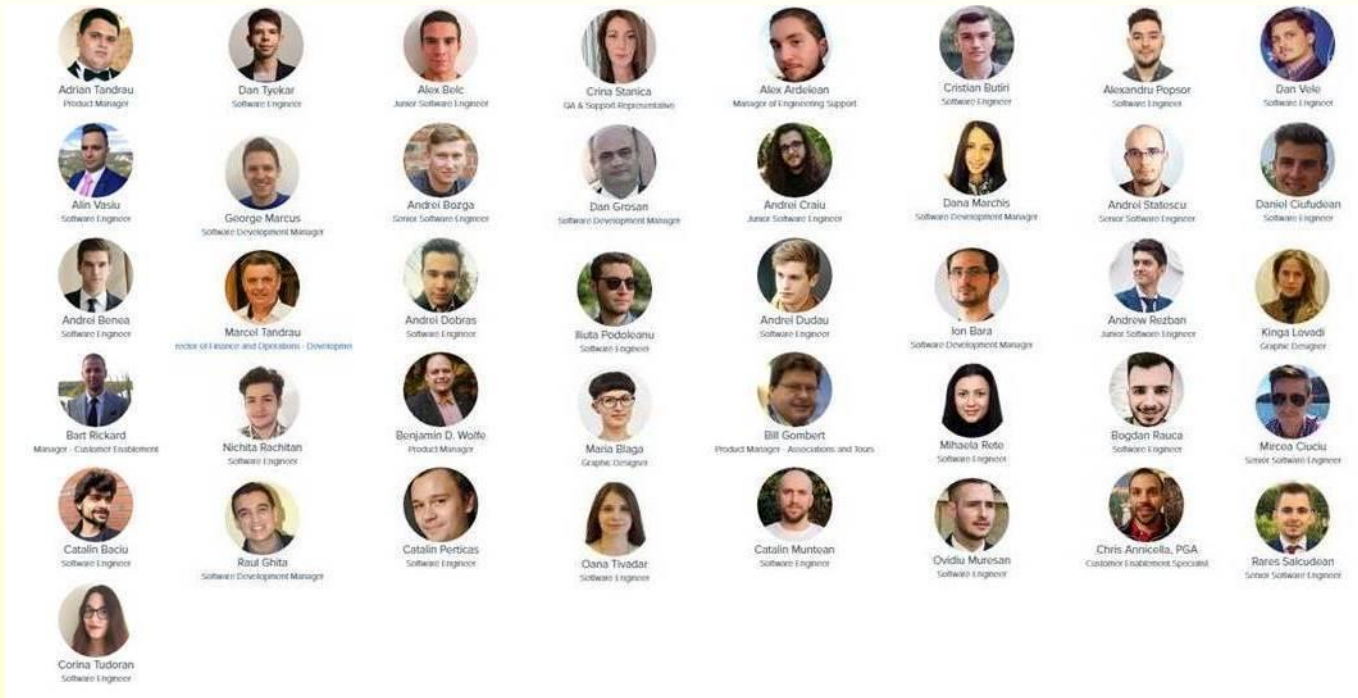
Social balance

Each team competes exactly twice against 4 other teams

- **Team numbers are randomly assigned**

13 TEAMS			
1	1	6	6
2	2	9	9
3	3	5	5
4	4	7	7
6	6	11	11
7	7	10	10
8	8	1	1
2	2	13	13
3	3	10	10
4	4	11	11
5	5	7	7
6	6	9	9
12	12	13	13
1	1	10	10
2	2	11	11
3	3	8	8
4	4	12	12
5	5	13	13
7	7	9	9
13	13	1	1
2	2	10	10
3	3	12	12
4	4	8	8
5	5	11	11
6	6	12	12
8	8	9	9

Software Operations

• **Golf Genius employs 4 Americans and 37 Romanians**

• **SMI is supported by one over-the-hill electrical engineer**