MATCH ANALYSIS IN ICE HOCKEY
- A PRACTICAL PERSPECTIVE

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My role in Frölunda Hockey Club.

- One part of the coaching staff together, head coach, assistant coaches and goalie coach.

- *Video analysis*

- Tactical analysis, pre-scout, video meetings etc.

- *Statistical analysis*

- Collects, presents and analyzing performance data.

Frölunda Hockey Club

- Swedish champions: 1965, 2003, 2005 & 2016.

- Winner of Champions Hockey League 2016 & 2017.

- Most NHL draft picks in Europe.

VIDEO ANALYSIS

Video – what are we looking for?

Purpose: Increase the chance of winning games.

Tactical strategy

- Positions
- Cooperation between units, defenders, lines and defenders/goalies

Individual key behaviors

- Behaviors of all players.

Key performance indicators

"Key performance indicators (KPIs) are customizable business measure utilized to visualize status and trends in an organization"

(Sharon et al. 2016)

How do we use our KPI?

- Evaluate game performance

- Deeper than results

- Help us to address the video analysis.

Finding the right KPI

Systematically analyzing data

- League data – *What numbers characterizes successful teams?*

- Team data – *What numbers do we need to be a winning team?*

- Research – limited.

KPI - Team level

Even Strength	Offensive target	Defensive target
Shot attemps	60	40
Scoring chances - Totally	24	12
"Zon 1" Scoring chances	12	6

Power play	Target numbers
Shot attemps /minute	2
Scoring chances total/minute	0,8
"Zone 1" scoring chances/minute	0,55

Penalty killing	Target numbers
Shot attempts /minute	1,4
Scoring chances total/minute	0,5
"Zone 1" scoring chances/minute	0,3

SC involvment /60 min			
Defenders	*Offensive*	*Defensive*	*Total*
2	3,86	4,16	-0,3
3	0,59	7,03	-6,44
4	3,36	6,72	-3,36
5	3,7	5,7	-2
6	2,36	7,08	-4,72
7	4,49	2,8	1,69
8	5,4	4,83	0,57
9	3,05	7,32	-4,27
Forwards	*Offensive*	*Defensive*	*Total*
10	11,39	3,16	8,23
11	7,8	1,77	6,03
12	7,37	1,23	6,14
13	8,17	1,56	6,61
14	9,23	2,64	6,59
15	9,75	2,39	7,36
16	8,4	6,42	1,98
17	4,77	3,34	1,43
18	7,33	5,34	1,99
19	12,98	2,33	10,65
20	11,32	1,62	9,7
21	14,61	2,81	11,8
22	4,09	1,02	3,07

EVALUATION OF THE GAME
"FROM DATA TO ACTION"

Game evaluation

- Time pressure – game every second day.

- "Less is more"

- Decisions based on facts– not through personal opinions.

TORSDAG 25 JANUARI

Karlskrona 19:00 Frölunda

LÖRDAG 27 JANUARI

Skellefteå 15:15 Frölunda

MÅNDAG 29 JANUARI
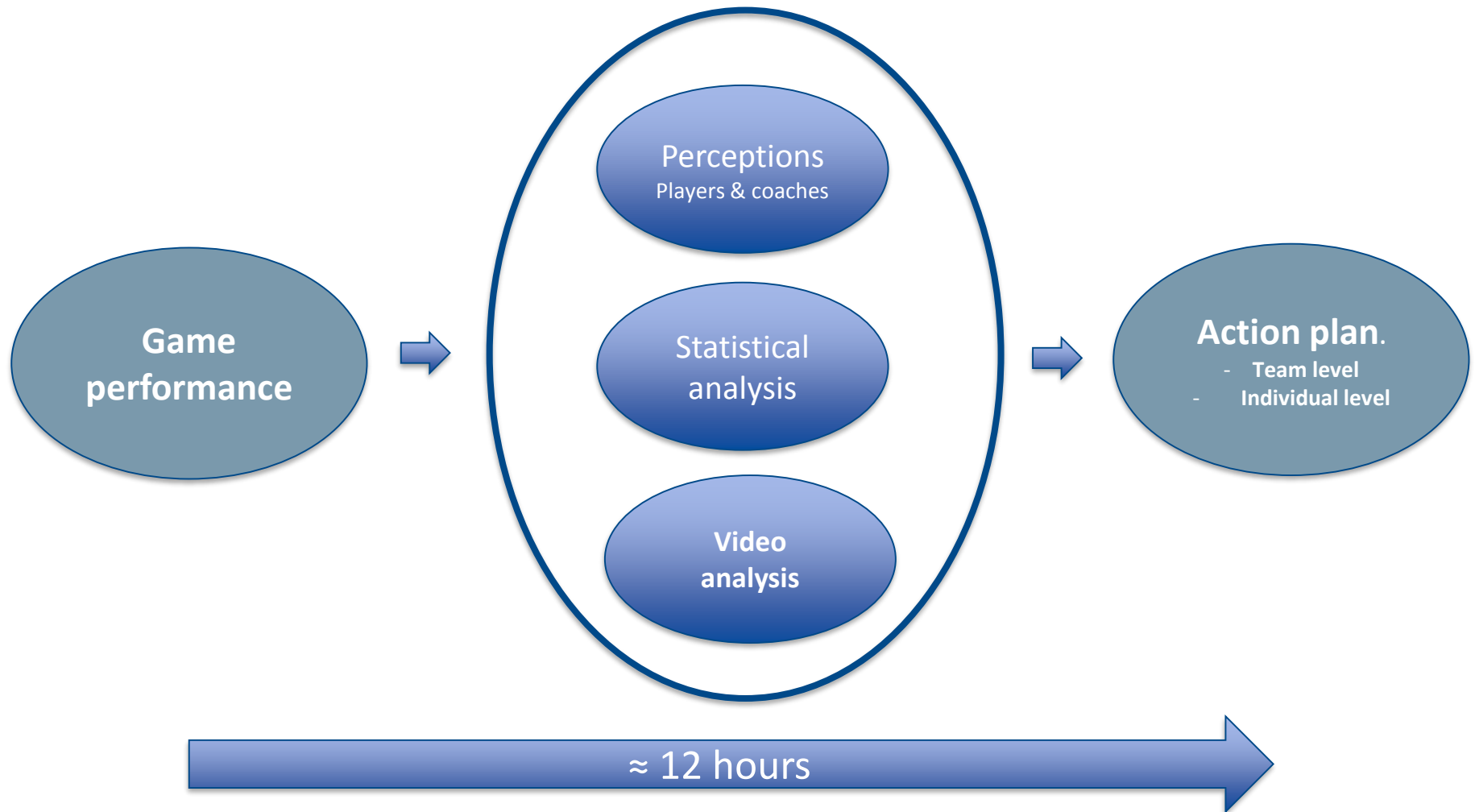
Djurgården 19:00 Frölunda

TISDAG 30 JANUARI

Frölunda 19:00 Djurgården

Game evaluation model - Frölunda Hockey Club

KPI - Team level

Even Strength	Offensive target	Defensive target
Shot attemps	64	49
Scoring chances - Totally	16	10
"Zon 1" Scoring chances	12	3

Power play	Target numbers
Shot attemps /minute	2,1
Scoring chances total/minute	1,2
"Zone 1" scoring chances/minute	0,3

Penalty killing	Target numbers
Shot attempts /minute	0,5
Scoring chances total/minute	0,77
"Zone 1" scoring chances/minute	0

PhD project – Match analysis in ice hockey

Purpose

Analyze the nature of ice hockey games to explore what is important to optimize the game performance.

Upcoming study

Analyzing patterns and outcomes of "scoring chance situations" to increase the understanding of scoring situations in ice hockey.

Thank you!