

Analysis of the ECh matches



Analysis of the ECh matches



Yavuz Taskiran
Member MC/THF

The Types of Analysis

- ◆ Free analysis
- ◆ Acoustic analysis
- ◆ Written analysis
- ◆ Analysis by film
- ◆ Analysis by video
- ◆ Analysis by video/computer
- ◆ Analysis by computer

Free Analysis

Free analysis is an observation, which is not systematic and done by some experienced technical staff sitting beyond bank during match and advising coach from time to time for various matters.

Voices (Acoustic) Analysis

Acoustic analysis means that all movements during the match in the field are recorded on a sound tape.



Notational Analysis

Written analysis is applied by writing various actions and technical tactic behaviors on ready-to-use forms.

In this type of analysis, both offensive and also defensive behaviors are marked on the forms and numeric values are obtained.



Analysis by film

Analysis by film has caused quite effective results in its early stages.

The matches, which had been recorded on usual cinema films having 35 mm, 16 mm and 8 mm sizes as black and white, were watched and evaluated later.



Analysis by video-recorder

Analysis by video has allowed that matches are recorded audio-visually.

This invention has affected observation and evaluation studies in handball positively.



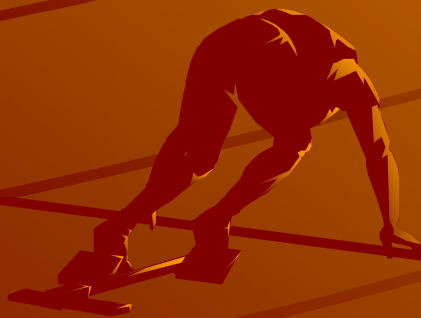
Analysis by video-recorder:

- Match records in a very short time
- Rapid evaluations



Analysis by video-computer

Analysis by video-computer has created mostly used analysis study of our modern times.



Analysis by video-computer:

- ✦ Video records
- ✦ Transferring of recorded data
- ✦ specific computer software
- ✦ Rapid evaluations
- ✦ programs providing various statistical methods.



Why is analyzing study necessary?



How can we evaluate the results from analyzing?



Analyzing studies in European Handball



Analyzing studies in European Handball:

- ◆ Match analyzing studies, which started when European Handball Federation and by the attempts of Methodic Committee.
- ◆ All categories.
- ◆ "European Handball", a magazine, which is published by European Handball Federation and was established in 1994.
- ◆ Dr. Janusz Czerwinski
- ◆ The analysis of Females World Handball Championship
- ◆ 1988' Seul Olympic Games/Juan de Dios Roman Seco

Analyzing studies in European Handball:

- ◆ Women's Youth ECh 2001 / Samsun
- ◆ Men's & Women's ECh 2004 Beach Handball / Alanya
- ◆ Every ECh



Match analyzing results chosen from Women's European Championships



Netherlands / 1998

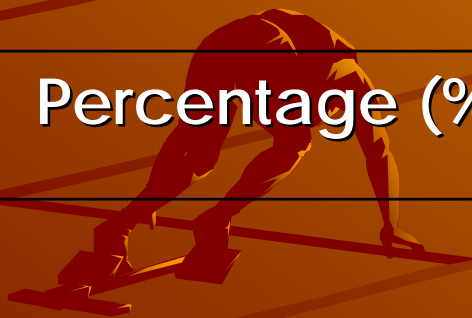
Match analyzing data from 3rd
Women's World Championship



Score Difference

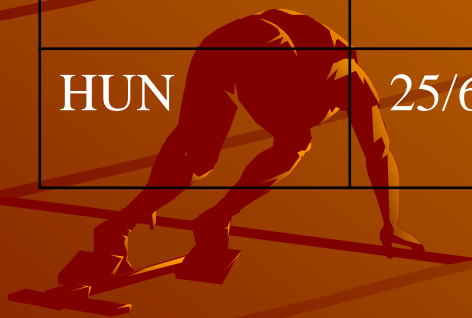
(3rd Women's World Championship)

	0-2	3-5	6-8	9-11	12-14
No. of Matches	6	13	9	4	6
Percentage (%)	15.80	34.20	23.70	10.50	15.80



Team's Cumulative Statistics (Goals/Shots)

Team	Wing	6 m	9 m	FB	7 m	Total
NOR	28/47	42/47	45/124	39/55	35/44	189/317
DEN	21/42	33/49	65/167	52/71	18/25	189/354
HUN	25/60	36/54	44/123	43/59	27/32	175/322





Percentage of Goals Scored (from different areas and situations)

Team	Total Goals (=100 %)	Wing	Pivot	Back	Fast Break	7 m Throw
NOR	189	14.8	22.2	23.8	20.7	18.5
DEN	189	11.1	17.5	34.4	27.5	9.5
HUN	175	14.3	20.6	25.1	24.6	15.4

Results of Percentage of Goals



1	Back Court Area	29.3 %
2	Fast Breaks	21.4 %
3	Pivot Area	19.3 %
4	Penalty Throws	15.9 %
5	Wing Area	14.1 %

Defence Systems

- ◆ Regarding to the strategies employed in the same championship, defense arrangements were generally 6:0
- ◆ Norway and Denmark teams employed this defense system almost in all matches.

Notices:

- ◆ 38 matches were played
- ◆ 8 disqualifications
- ◆ 50% of teams exercised their Team Time Out right
- ◆ as a good rule support for recovery of the team during long and also hard match actions

2000 Women's ECh / Romania



Team's Composition (Taborsky/Linder, 2001)

Team	Total Player s	Players in Competition Domestics / Foreign	Participating Clubs	Maximum Players from One Club
HUN	16	12/4	7	6 from Herz FTC
UKR	15	12/3	7	5 from Spartak Kiev
RUS	16	15/1	6	6 from AKVA Volgograd
ROM	16	15/1	7	7 from Ol Valceatchim
FRA	16	16/0	6	5 from ASPTT Metz
NOR	16	13/3	10	3 out of each 3 clubs
YUG	16	12/4	7	8 from Buducnost
MKD	14	11/3	5	6 from Kometal Skopje
GER	16	16/0	8	4 from Leipzig
DEN	16	15/1	10	4 from Viborg HK
BLR	16	9/7	8	8 from BGPA Minsk
AUT	15	11/4	8	5 from Hypo Südstadt
Total	188	157/31	89	

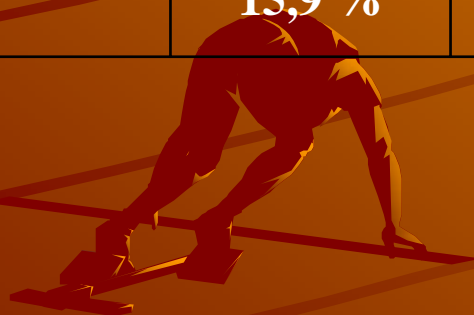
Percentage of Goals from Different Spaces and Situations

Team	Total Goals (=100 %)	Wings	6 m	9 m	FB	7 m
HUN	216	15,7	19,9	28,8	19,9	15,7
UKR	188	9,6	20,2	24,5	25,0	20,7
RUS	163	9,2	28,9	27,0	14,7	20,2
ROM	168	10,7	30,4	29,8	8,3	20,8

2000 Women's ECh / Romania

Height and Weight Characteristics

Height	-169 cm	<u>170-179</u> <u>cm</u>	180 +	Weight	<i>Lightest</i>	<i>Heaviest</i>	<i>Average</i>
	30 players	<u>93 players</u>	65 players		48 kg	90	68,4 kg
	15,9 %	<u>49,5 %</u>	34,6 %				



The Percentage of Goals from Different Spaces

	Goals	Wing	6 m	9 m	FB	7 m
Total	1927	13,2 %	25,5 %	27,6 %	18.1 %	15,6 %

Defence & Attack

◆ 6:0

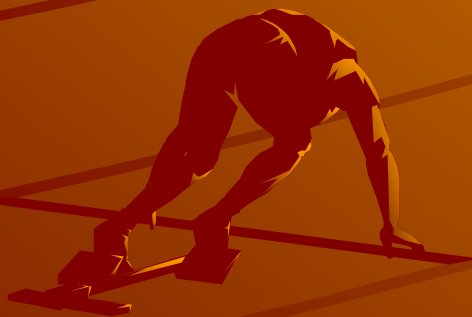
◆ 5:1

◆ 3:2:1

◆ 3:3

2000 Women's ECh / Romania

2004 Women's 19
Czech Republic



Body Characteristics

TEAM	Body Height in cm				Body Weight in Kg - Average
	til 169	170 - 179	180 more	Average	
<i>RUS</i>	4	5	7	176,4	62,9
<i>NOR</i>	2	11	3	175,2	68,9
<i>SCG</i>	1	10	5	176,3	66,1
<i>FRA</i>	3	8	5	174,2	64,4
<i>CRO</i>	-	7	9	179,9	71,6
<i>DEN</i>	-	9	7	179,3	71,0
<i>GER</i>	4	6	6	174,8	66,6
<i>POL</i>	3	11	2	175,1	67,9
<i>ESP</i>	6	4	5	172,6	65,5
<i>ROM</i>	3	6	7	175,6	68,7
<i>CZE</i>	2	10	4	174,4	65,2
<i>SLO</i>	1	11	4	175,3	69,3
<i>SWE</i>	4	10	2	172,8	68,3
<i>POR</i>	6	8	2	172,8	64,5
<i>ISL</i>	3	10	3	174,1	70,8
<i>AUT</i>	6	8	2	171,2	60,9
Total	48	134	73	175,0	67,0
%	18,8	52,6	28,6		

2004 Women's 19 Czech Republic

Cumulative Team Statistics

Throws									
Team	6 m	Wing	9 m	7 m	FB	BT	FTO	M/A	% Efficiency
RUS	49/64	27/50	69/166	28/36	35/46	3/3	0/0	212/369	57
NOR	42/67	23/45	40/106	23/28	50/70	13/15	1/1	194/335	58
SCG	50/66	37/71	54/151	30/34	42/65	5/6	1/1	220/396	56

Shots Team Total (Russia)

Shots	Made	Saves	Missed	Total Attempts	Total Efficiency (%)
6 m	49	9	0	64	76,6
Wing	27	14	7	50	54,0
Back	69	49	23	166	41,6
7 m	28	3	6	36	77,8
FB	35	9	2	46	76,1
BT	3	0	0	3	100,0

Shots Team Total (Norway)

Shots	Made	Saves	Missed	Total Attempts	Total Efficiency (%)
6 m	42	15	0	67	62,7
Wing	23	14	8	45	51,1
Back	40	17	29	106	37,7
7 m	23	3	12	28	82,1
FB	50	15	5	70	71,4
BT	13	1	1	15	86,7

Shots Team Total (Serbia)

Shots	Made	Saves	Missed	Total Attempts	Total Efficiency (%)
6 m	50	14	0	66	75.8
Wing	37	24	10	71	52,1
Back	54	50	23	151	35,8
7 m	30	2	4	34	88,2
FB	42	14	9	65	64,6
BT	5	1	0	6	83,3

Main Defence Systems

Team	Defence 1	Defense 2	Numerical superiority	Numerical minority
RUS	5 : 1	-	5 : 0 + 1	5 : 0
NOR	6 : 0	5 : 1	5 : 0 + 1	5 : 0
SCG	5 : 1	3 : 2 : 1	6 : 0, 5 : 0 + 1, 4 : 0 + 2	5 : 0
FRA	5 : 1	3 : 2 : 1	5 : 1, 3 : 2 : 1	5 : 0
CRO	5 : 1	6 : 0	5 : 0 + 1	5 : 0
DEN	6 : 0	5 : 0 + 1	6 : 0, 5 : 0 + 1	5 : 0
GER	5 : 1	6 : 0, 5 : 0 + 1	5 : 1, 5 : 0 + 1	5 : 0
POL	6 : 0	5 : 1	5 : 0 + 1	5 : 0
ESP	3 : 3	4 : 2	5 : 0 + 1, 4 : 0 + 2	5 : 0
ROM	6 : 0	5 : 1	6 : 0, 5 : 1	5 : 0
CZE	5 : 1	5 : 0 + 1	4 : 0 + 2	5 : 0
SLO	6 : 0	3 : 2 : 1, 5 : 0 + 1	5 : 1	5 : 0
SWE	6 : 0	-	5 : 0 + 1	5 : 0
POR	5 : 1	4 : 2	5 : 1, 4 : 2	5 : 0
ISL	6 : 0	5 : 0 + 1	6 : 0, 5 : 0 + 1	5 : 0
AUT	5 : 1	6 : 0	5 : 0 + 1	5 : 0

Conclusion and recommendations

- ◆ Handball is a Speed Game
- ◆ More activities in defense systems
- ◆ Simple technique
- ◆ Recreational tactic
- ◆ More Goals



*We cannot manage a characteristic
if we cannot measure it!*



Groups for Statistics in Izmir Women's 19 ECh



5:1



3:2:1?

4:0+2



Thank you for your attention!



ytaskiran@gmail.com