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THE INFLUENCE OF GOALKEEPERS' EFFICIENCY ON THE  
FINAL TEAM RANKING AT THE 2018 EUROPEAN WOMEN'S  
HANDBALL CHAMPIONSHIP

Kopaonik, 2020.

# METHODS

## Subject sample

- Subject sample consisted of National teams' goalkeepers who competed on the final tournament of the 2018 European Women's Handball Championship.
- Subject sample characteristics:
  - female,
  - professional senior players.

## Variable sample

- In order to measure goalkeeper influence on the final team ranking, the following measurements were observed:
  - Goalkeepers' total number of shots saves (GTSS)
  - Goalkeepers' percent of shots saved (GPSS).

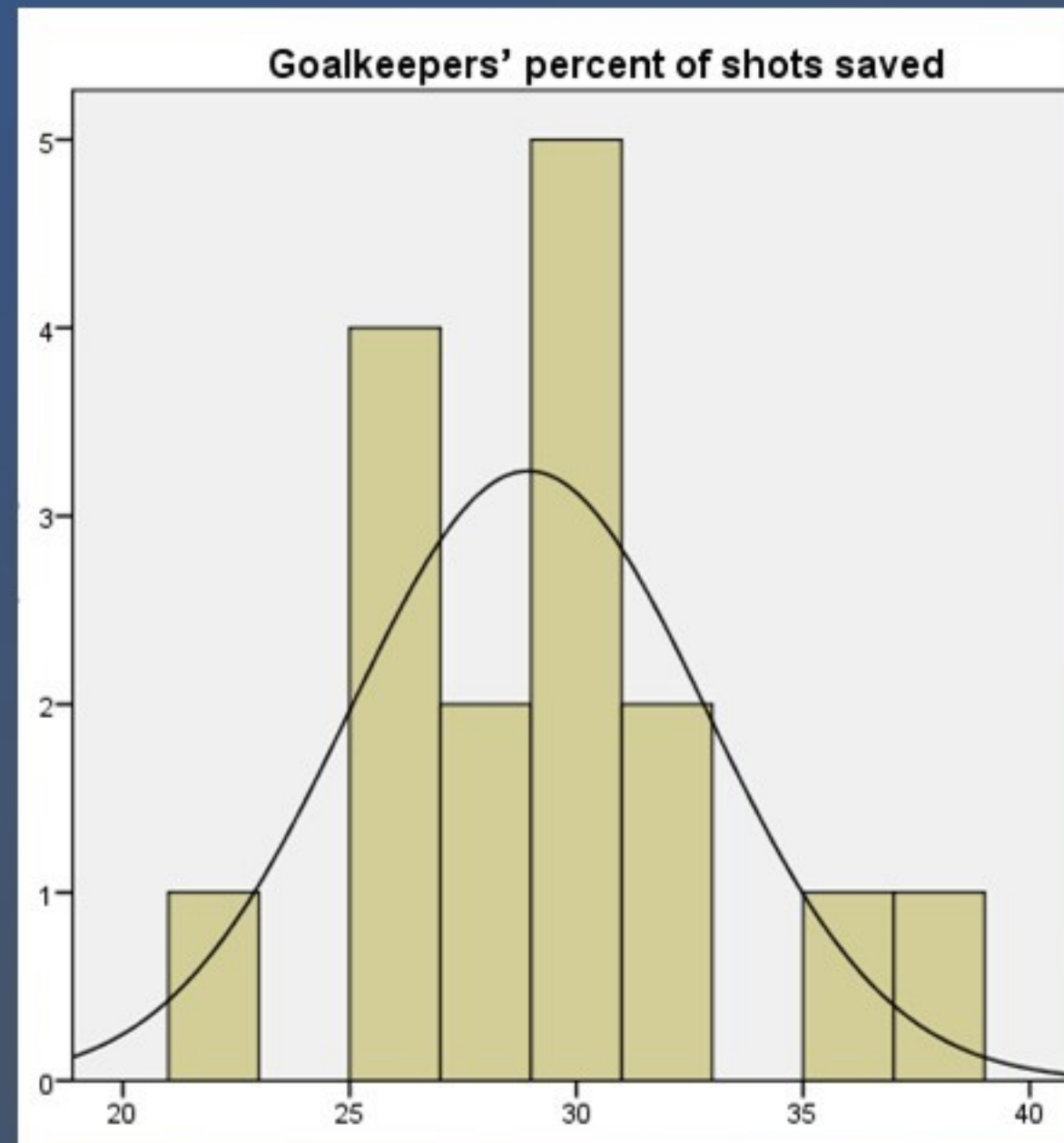
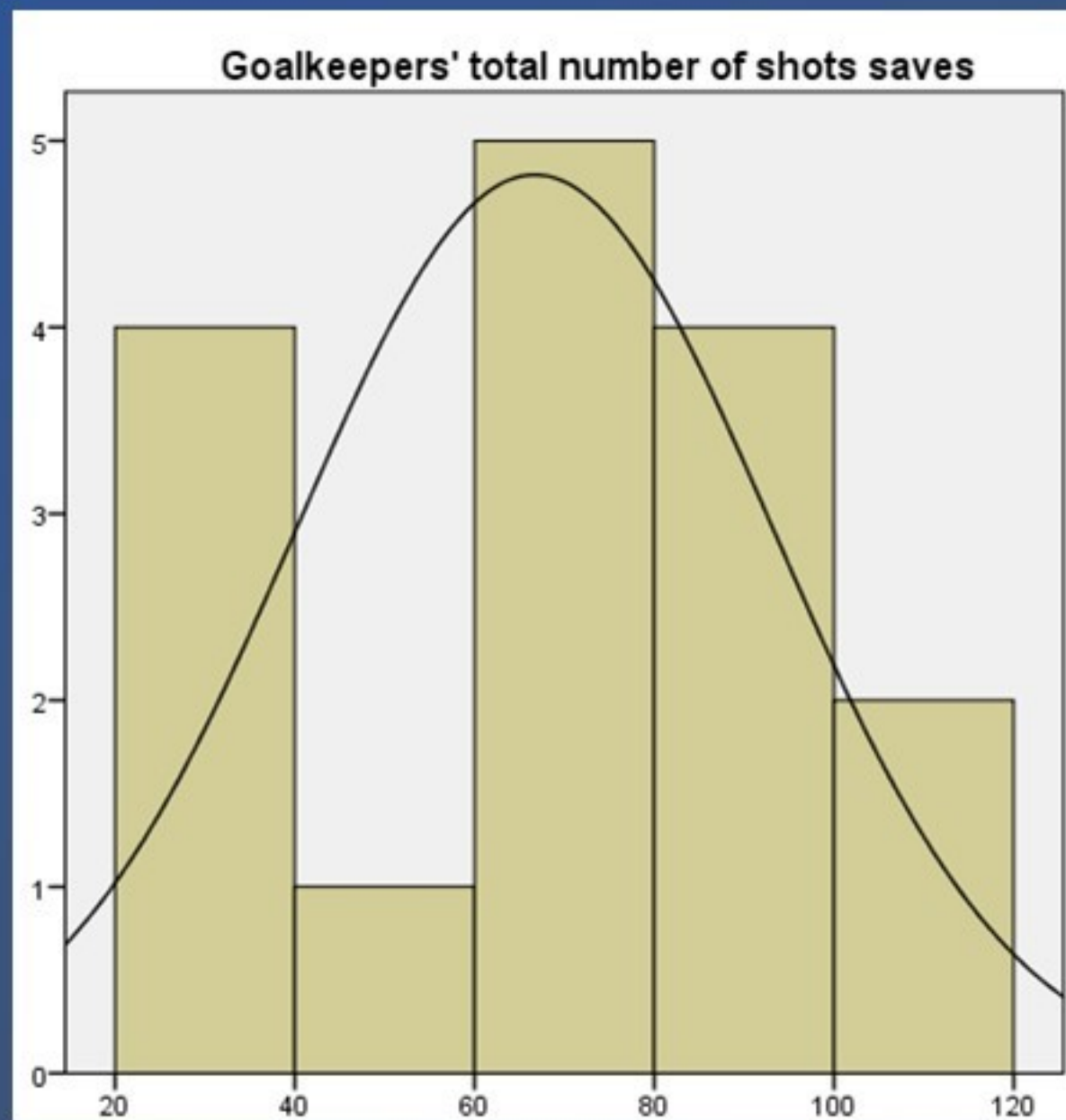
## Statistical and data analysis

- Goalkeepers' performance values by team were obtained from the official 2018 European Women's Handball Championship tournament statistics.
- Description and linear regression analysis were used to determine the influence of goalkeeper's performance on team ranking.



# RESULTS AND DISCUSSION

## Descriptive statistics



# RESULTS AND DISCUSSION

## Linear regression

**Model Summary<sup>b</sup>**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.954 <sup>a</sup>	.911	.897	1.525

a. Predictors: (Constant), GPSS, GTSS

b. Dependent Variable: Ranking

**ANOVA<sup>a</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	309.757	2	154.878	66.574	.000 <sup>b</sup>
	Residual	30.243	13	2.326		
	Total	340.000	15			

a. Dependent Variable: RANK

b. Predictors: (Constant), GPSS, GTSS

# RESULTS AND DISCUSSION

## Linear regression

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound
1	(Constant)	18.637	4.317		4.317	.001	9.311	27.962
	GTSS	-.180	.031	-1.000	-5.853	.000	-.246	-.113
	GPSS	.064	.207	.053	.310	.762	-.382	.510

a. Dependent Variable: RANK



**Thank you for your attention!**