



ATHLETES PROFILE ON TALENT IDENTIFICATION OF TIGRAY REGION

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ABSTRACT :

The purpose of the study was to find out the profile of the athletes of selected woredas of Tigray region of Ethiopia for setting up the club and to train them for different competition levels at the professional outset. The born talented athletes would build the national growth in development of Athletics in different capacities. Thus, the Adigrat University sport scouts selected various venues such as Wukro Town, Saesietsaeda, Atsby, Adigrat and Ganta, Bizet, Gulomkada, Hawzen. The following physical and physiological parameters were mainly focused for the study namely height, speed and cardio vascular endurance. To achieve the purpose of the study thirty five athletes (35 boys) in the age group of 14 to 22 years were selected as subjects. The following testing procedures were followed such as speed was measured by 50 meters dash in seconds, cardio vascular endurance was measured by Copper's 12 min run test in meters and the stadiometer was used to measure the height of athletes. The final phases of event specific tests were conducted at Adigrat stadium for those had done their best in the different venues of selection. The performances of athletes were compared with the standard norms for selection of different events.



KEYWORDS : Talent, Identification, Athletes, Physical, Physiological .

STATEMENT AND BACKGROUND OF THE PROBLEM

The study was focused on the identification of talented athletes of Tigray region. The main objective of the study was to find out the born talent athletes of selected woredas of Tigray region and put them in the sport club. The reason to exist club in Adigrat University is that the sport training environment has its own demographic and biological merits. The training environment itself located in a place of highlands with an elevation of 2457 meters above from sea level and this region has vast experiences of having many elite athletes in National and International Competitions.

Thus, the faculties of department of sports science of Adigrat University, Ethiopia selected various venues of Tigray region after the thorough knowledge and experiences of Talent Identification Program (Talent Identification models TIPS – Talent, Intelligence, Personality, Skill or TABS – Technique, Attitude, Balance, Speed -Williams & Reilly, 2000) such as Wukro Town, Saesietsaeda, Atsby, Adigrat and Ganta, Bizet, Gulomkada, Hawzen. The intimations were given well in advanced before conduct of the tests to the above mentioned Youth and Sport Welfare Offices.

METHODOLOGY

To achieve the purpose of the study, thirty five samples (35 boys) in the age group of 14 to 22 years were selected as subjects at randomly. The selected physical and physiological parameters were focused for this study such as height, speed and cardio vascular endurance. The following testing procedures were

followed such as speed was measured by 50 meters dash in seconds, cardio vascular endurance was measured by Copper’s 12 min run test in meters. Whereas the stadiometer were used to measure the height of samples. Finally, the selected athletes of different woredas of Tigray region undergone for event specific tests which was conducted at Adigrat woreda sports Stadium, Ethiopia.

ANALYSIS OF THE STUDY

Descriptive analysis were employed for the selected variables of physical and physiological variables of athletes. Descriptive analysis was also used to analyse the data in mean, standard deviation, minimum, maximum, range and percentiles were computed for physical and physiological variables.

Table 1: Descriptive analysis on Height of the athletes

Mean	Std.deviation	Range	Minimum	Maximum	Percentiles
1.68	.05863	.22	1.58	1.80	10- 1.60 20-1.62 30-1.65 40- 166 50-1.68 60- 1.71 70- 1.72 80-1.73 90- 1.76

Table 1 reveals that the maximum height of athletes of eastern Tigray of Ethiopia was 1.80cm and a minimum score of 1.58cm with the range of score was .22. The mean value of height fixed at the height of 1.68cm and the standard deviation was .0586. It also reveals that the height percentile of athletes ranges from 1.58cm to 1.80cm percent of height with the mid score of 1.68cm.

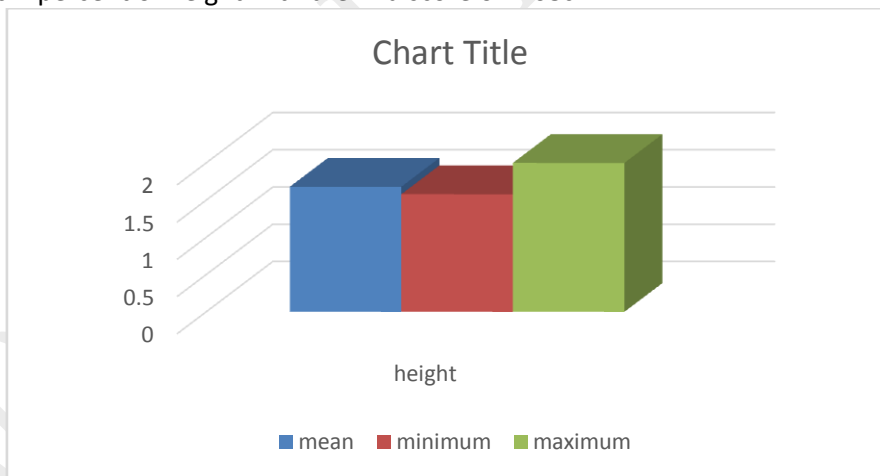


Figure 1. Graphical representation of Mean, Minimum and maximum scores of Height

Table 2: Descriptive analysis onSpeed of the athletes

Mean	Std.deviation	Range	Minimum	Maximum	Percentiles
7.16	.33067	1.30	6.60	7.90	10- 6.7 20- 6.82 30- 6.94 40- 7.01 50- 7.19 60- 7.23 70- 7.3 80- 7.5 90- 7.64

Table 2 reveals that the maximum speed of the athletes of eastern tigray of Ethiopia was 7.90secsec and a minimum score of their speed was 6.60 with the range of score is 1.30. The mean value was7.16 sec and the standard deviation was.33067. It also reveals that the speed percentile ranges from 6.60 to 7.90 percent of speed with the mid score of 7.19sec.

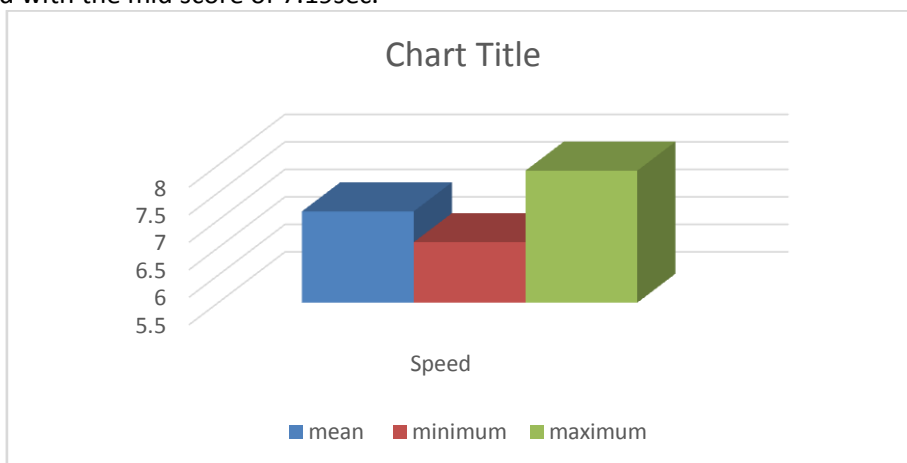


Figure 2. Graphical representation of Mean, Minimum and maximum scores of Speed

Table 3: Descriptive analysis on Cardio Vascular Endurance

Mean	Std.deviation	Range	Minimum	Maximum	Percentiles
3670.7143	201.99644	765.00	3280.00	4045.00	10- 3353.800 20- 3532.000 30- 3596.000 40- 3622.000 50- 3670.000 60- 3700.000 70- 3800.000 80- 3843.000 90- 3998.000

Table 3 reveals that the cardio vascular endurance of athletes of eastern tigray of Ethiopia was4045 mts and a minimum score of 3280 mts with the range of score is 765. The mean value of the speed of the athletes was set at3670.71 mtsand the standard deviation was 201.99644. It also reveals that the cardio vascular endurance percentile ranges from 3280 mts to 4045 mts percent of total speed with the mid score of 3670 mts.

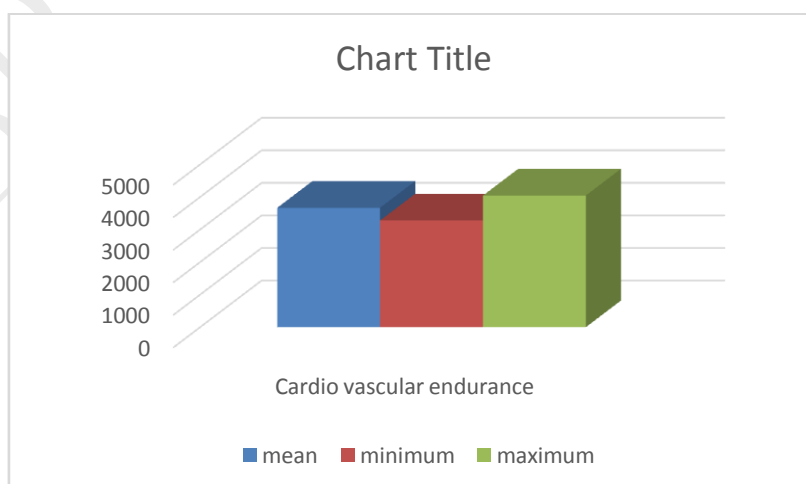


Figure e. Graphical representation of Mean, Minimum and maximum scores of cardio vascular Endurance

DISCUSSION OF FINDINGS

The physical and physiological variables tends to determine the selection of athletes and also very particular in developing the elites for the major competitions too. The prime requirement for any event in track and field is mainly focused on the physical variables such as height, weight, length of the limbs and etc. Moreover, the physiological variables are abundant alarm relating with middle and long distance events particularly. The morphological, physical, physiological, psychological, anthropometrical, biomechanical, topographical factors and etc. greatly influences the athlete's performance one way or the other.

CONCLUSION

The following points are concluded based on the results of the study

1. The athlete's profile of eastern tigray region of Ethiopia on height were between 1.58cm to 1.80 cm and the average score of height was seen 1.68cm. The average height of those athletes were considerably good between the age group of 14-24 years.
2. The athlete's profile of eastern tigray region of Ethiopia on speed were between 6.60sec to 7.90sec and the average score of speed was seen 7.19sec. The average speed of those athletes were considerably good between the age group of 14-24 years.
3. The athlete's profile of eastern tigray region of Ethiopia on were cardiovascular endurance between 3280mts to4045 mts and the average score of cardio vascular endurance was seen at 3670. The average stamina of those athletes were considerably good between the age group of 14-24 years.

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