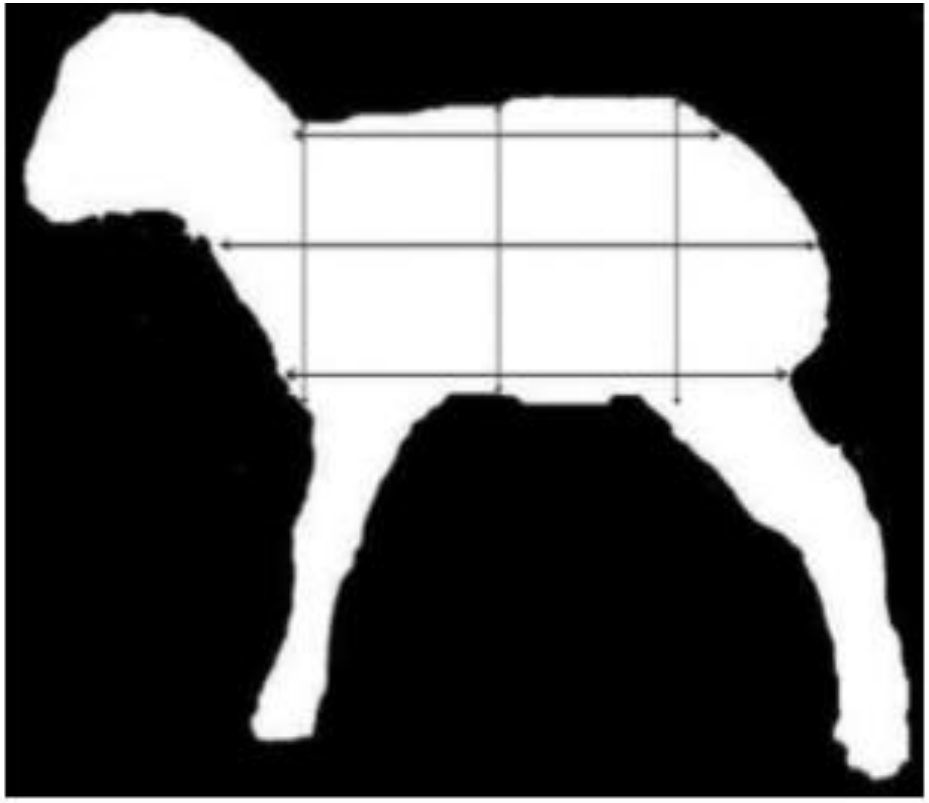
Estimating the weight of the goat, sheep, and cow in Livestock using computer vision and image processing

Animal farming has become one of the major commodity in the world and performed with a variety of technologies to achieve the better results. General purpose of cattle farming is to make high profit based on application of good management production principles. One of criteria for a success in sheep, goat, and cows farming has had healthy with considerable weight. To measure the weight of animals like sheep, goat and cow, image processing could be used because it can analyze via photograph system. By using digital image processing with specific algorithms could be recognized certain objects easily. The accurate yield depend on the photograph capability estimation on body length, chest circumstance, height, and the width of beef cattle itself. So, the the body length, chest circumstance, height and width of this animal is could be estimated. This project aim is to use the image processing techniques to estimate the weight of sheep, goat and cow in livestock's for monitoring the animal health.



Measurement of lamb body dimensions by metre: longitudinal size (horizontal lines) and transverse size (vertical lines).