



# Accuracy of records collected on animals and carcasses at slaughterhouse

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## Material and methods

One year's **records on animals** (genetic type, age, sex, live weight) and **carcasses** (weight, dressing percentage, category, conformation, fatness) - collected before checking and official processing - were analysed in detail (mean, minimum and maximum value, and/or frequency distribution) to verify their accuracy.

## Animals and carcasses

Animals (n)	49,486
Genetic types (n)	48
Males (%)	59.8
Females (%)	40.2
Slaughter age (month)	31.5
Live weight (kg)	539
Carcass weight (kg)	326
Dressing percentage (%)	61.4

## Carcass category

A - uncastrated young males (%)	46.5
B - other uncastrated males (%)	0.5
C - castrated males (%)	0.1
D - females that have calved (%)	24.7
E - other females (%)	13.0
V - veal calves (%)	15.2

## Carcass conformation

S - superior (%)	3.2
E - excellent (%)	28.9
U - very good (%)	38.4
R - good (%)	6.3
O - fair (%)	5.0
P - poor (%)	18.2

## Carcass fatness

1 - low (%)	8.4
2 - slight (%)	86.4
3 - average (%)	5.2
4 - high (%)	0.0
5 - very high (%)	0.0

## Aim

To verify the **effectiveness of data collection** in a cattle slaughterhouse, recorded data were collected and analysed **to highlight possible mistakes.**

## Results

Some of recorded data seems to be **wrong by default or for excess**, and those results could be attributed to **mistakes in typing the real values** (lack of one or more digits, repeat of digits or failure to enter the comma in the number).

## Slaughter age

month	%
<6	1.2
6-12	15.1
12-24	56.8
24-60	11.3
60-120	11.6
>120	4.1

## Live weight

kg	%
<100	0.1
100-300	11.8
300-500	16.6
500-700	59.7
700-900	11.4
>900	0.4

## Carcass weight

kg	%
<100	0.4
100-200	16.4
200-300	24.8
300-400	27.4
400-500	27.5
>500	3.5

## Dressing percentage

%	%
<50	15.8
50-60	31.7
60-70	38.8
>70	13.6

## Conclusion

Our results confirm the need to **improve data collection** both at the beginning of the slaughtering chain and at the end.

If paying more attention would **slow the processing line**, then it could be better to **check the data before official processing.**