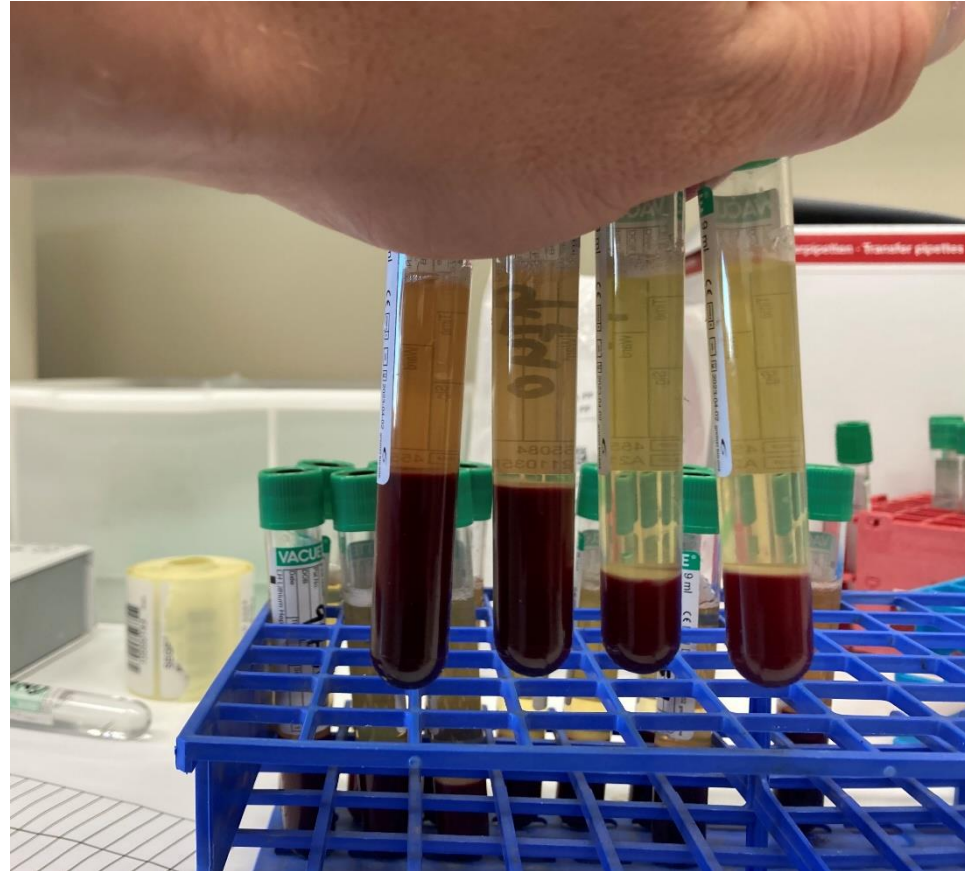


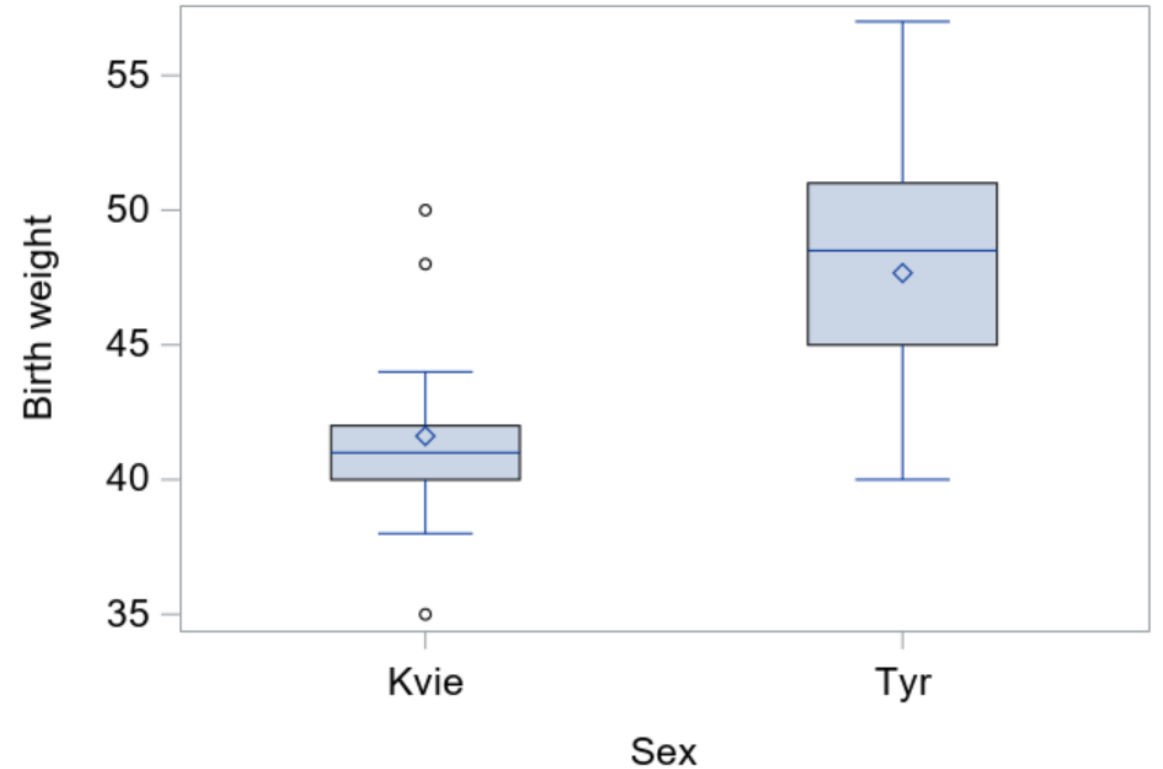
Experiment

- 24 Calves from dry cow experiment – 7 weeks
- Calf treatments
 - Milk, milk+iron, milk replacer
- Dry cow treatments
 - Corn, AAT
- Weekly blood samples
 - Hematocrit, plasma brix, liver enzymes
- Weekly body weight



Treatment effect on birth weight?

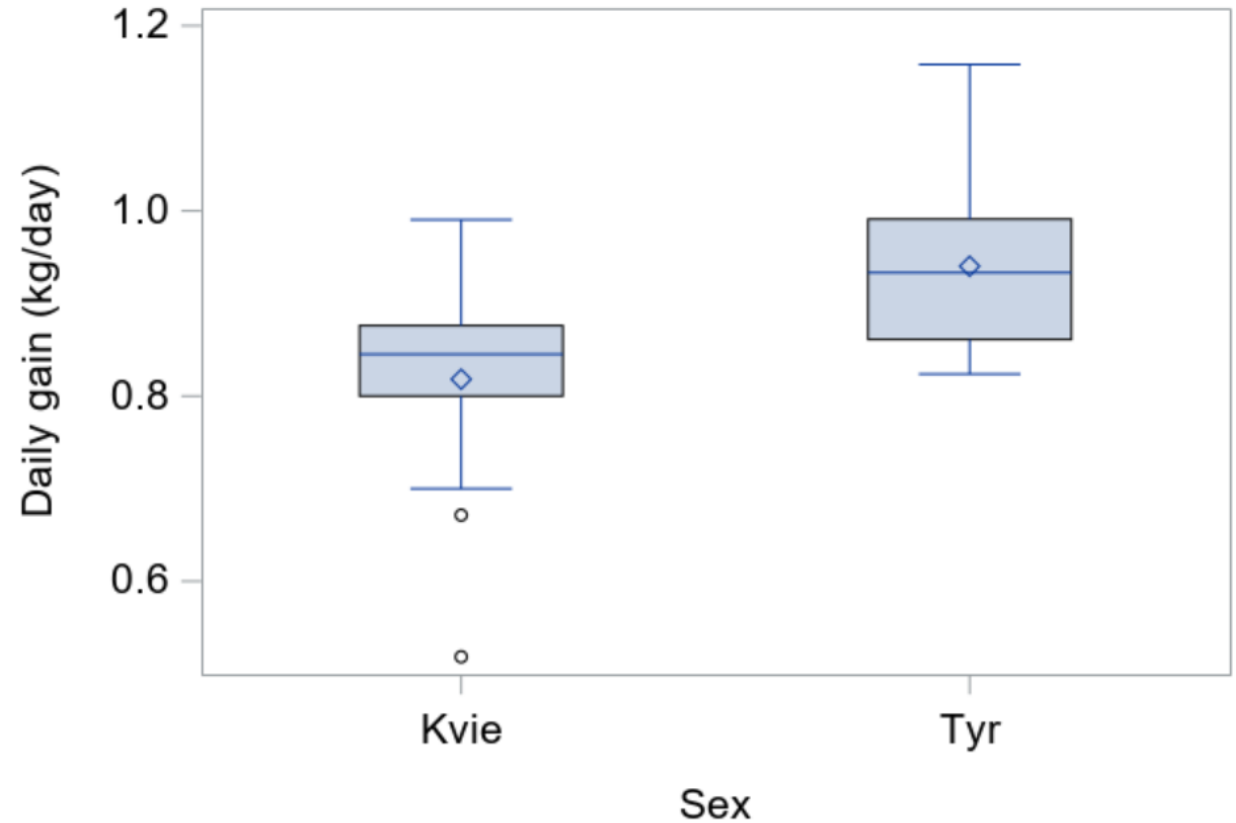
- Proc mixed (SAS)
- Model:
- $\text{birth weight} = \text{sex treatment_dry_cow}$



LSMEANS		
Sex	Heifer	Bull
P=0.0032	41.1 kg	47.0 kg
Treatment dry cow	Corn	AAT
P=0.20	45.3 kg	42.9 kg

Treatment effect on daily gain?

- Proc mixed (SAS)
- Model:
- Daily gain= sex treatment_dry_cow



LSMEANS		
Sex	Heifer	Bull
P=0.028	0.80 kg/day	0.91 kg/day
Treatment dry cow	Corn	AAT
P=0.20	0.89 kg/day	0.83 kg/day

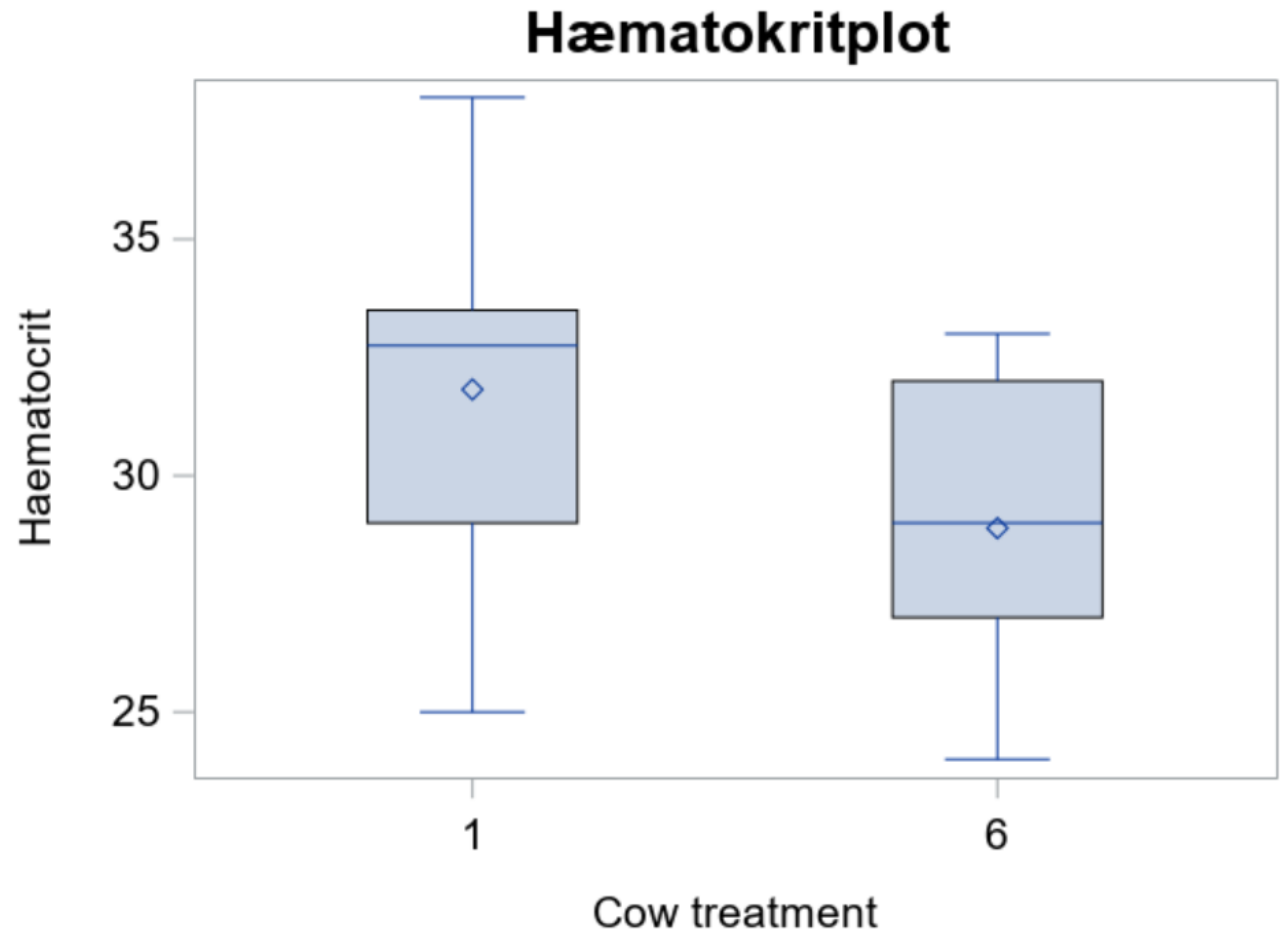
Treatment effect on immunization?

- Proc mixed (SAS)
- Model: plasma brix= sex treatment_dry_cow

LSMEANS		
Sex	Heifer	Bull
P=0.27	9.66	10.04
Treatment_dry_cow	Corn	AAT
P=0.12	10.1	9.6

Treatment effect on hematocrit?

- Proc mixed (SAS)
- Model: hematocrit= sex treatment_dry_cow



LSMEANS		
Sex	Heifer	Bull
P=0.53	29.9	30.9
Treatment_dry_cow	Corn	AAT
P=0.06	31.8	28,9