

Plots of Fitted and Projected

06-07-2022

FITTED

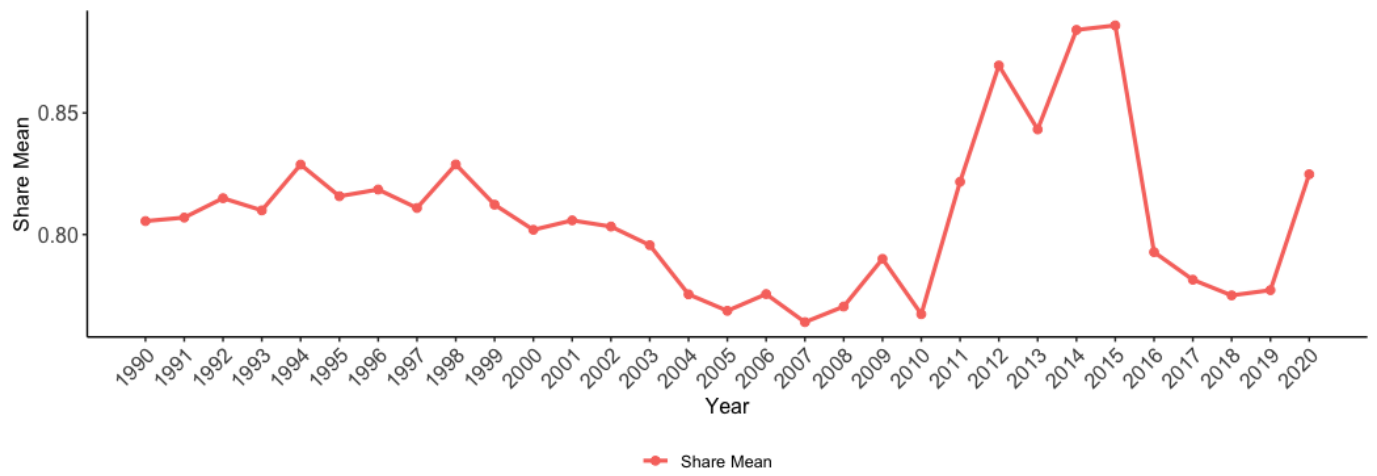


Figure 1: Mean of Fed Cattle Meat Share - Fitted

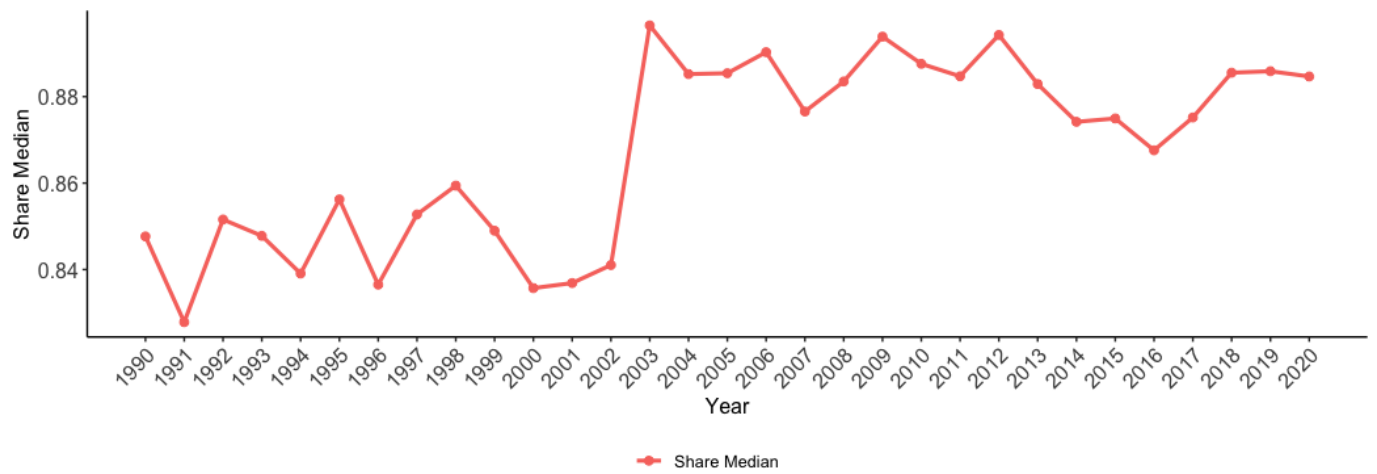


Figure 2: Median of Fed Cattle Meat Share - Fitted



Figure 3: Mean of MU - Fitted

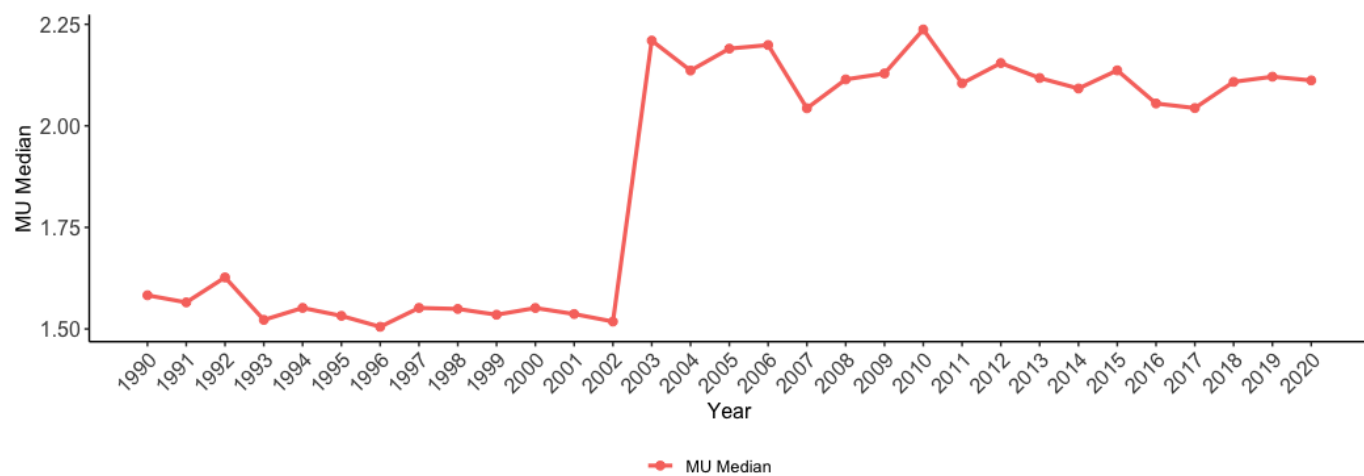


Figure 4: Median of MU - Fitted

PROJECTED

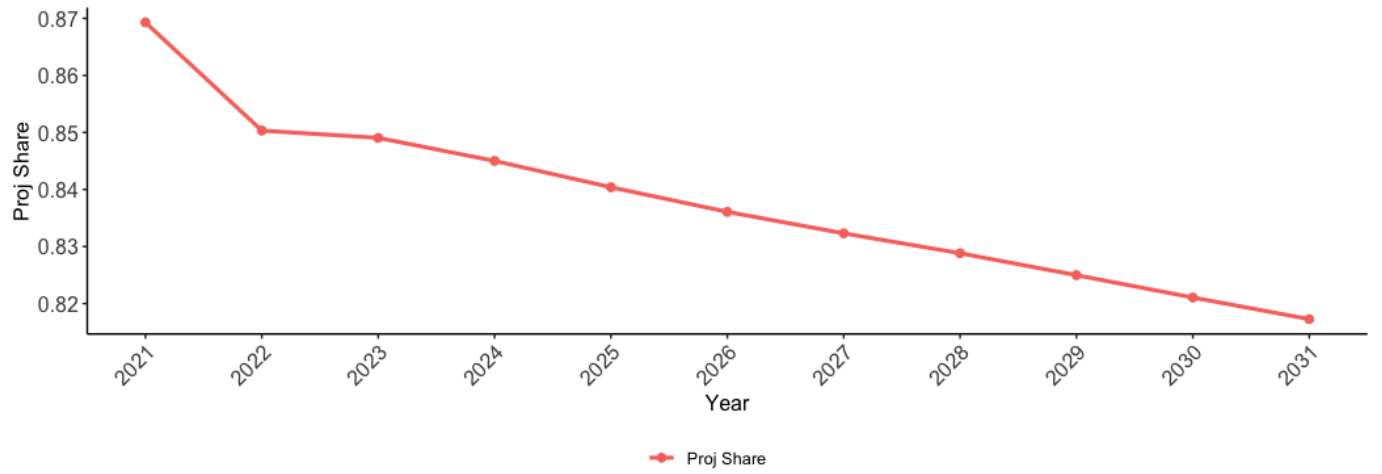


Figure 5: Fed Cattle Meat Share - Projected - In Prelims

The above is projected with a constant $\tilde{\mu} = 2.11$ and $\tilde{s} = 0.74$

After addition of storage model type estimation for supply and keeping track of age distribution

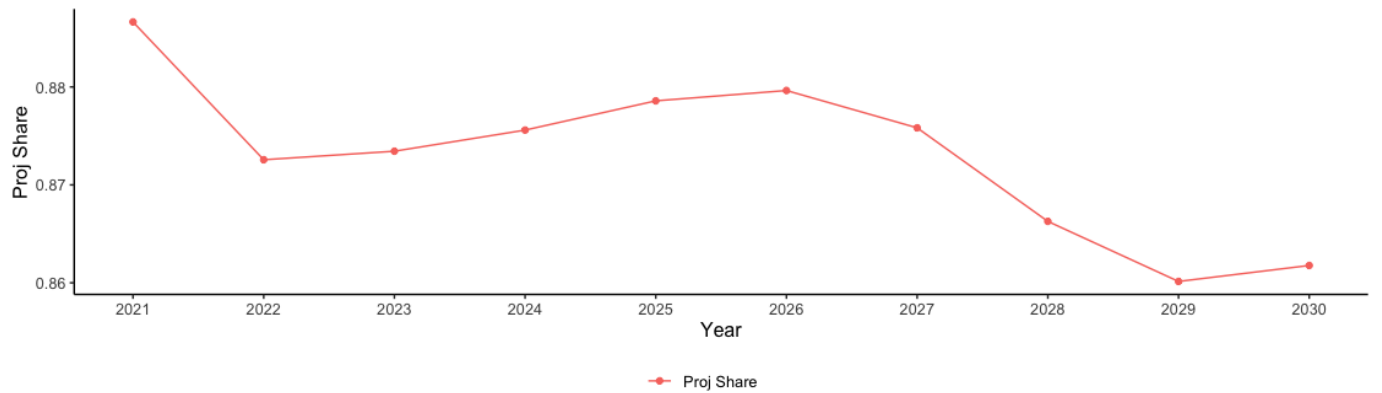


Figure 6: Fed Cattle Meat Share - Projected

The above is projected with a moving $\tilde{\mu}$ and \tilde{s}

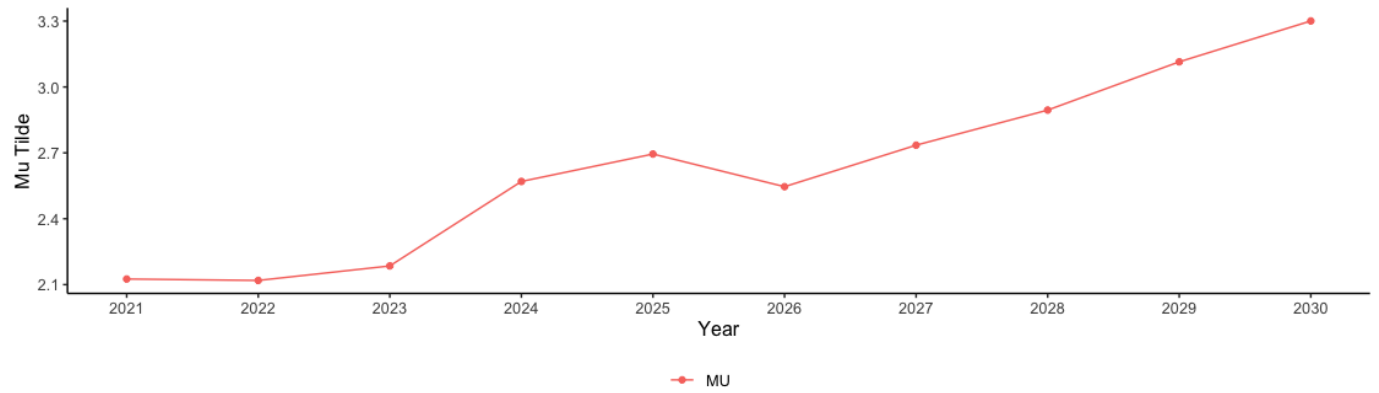


Figure 7: MU - Projected

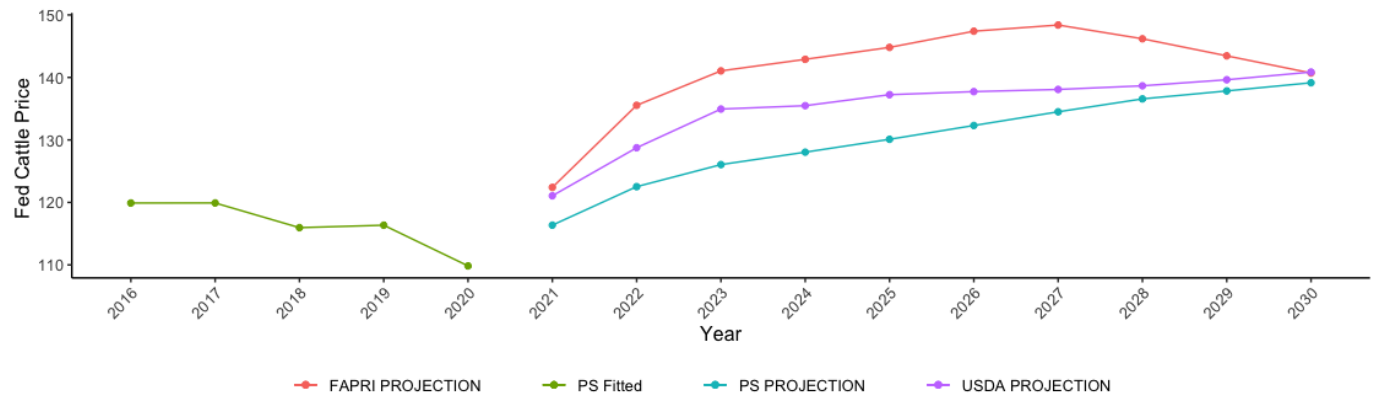


Figure 8: Fed Cattle Price - Projected with FAPRI USDA Comparisons

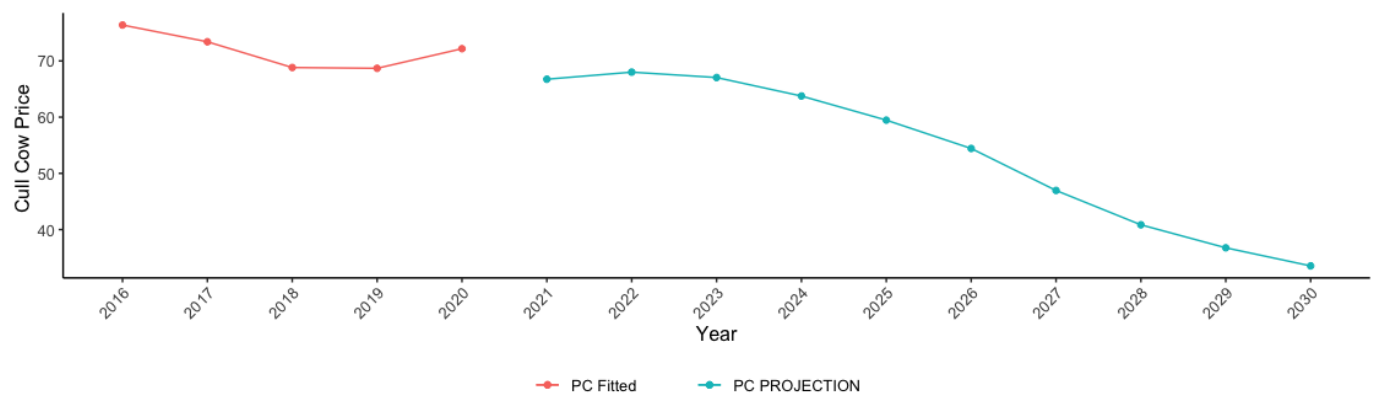


Figure 9: Cull Cow Price - Projected

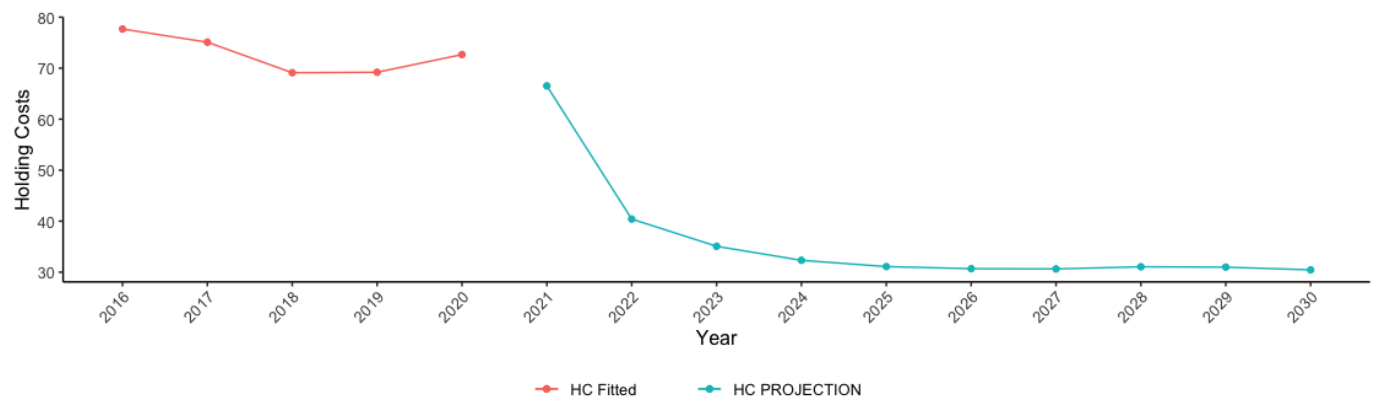


Figure 10: Holding Costs - Projected

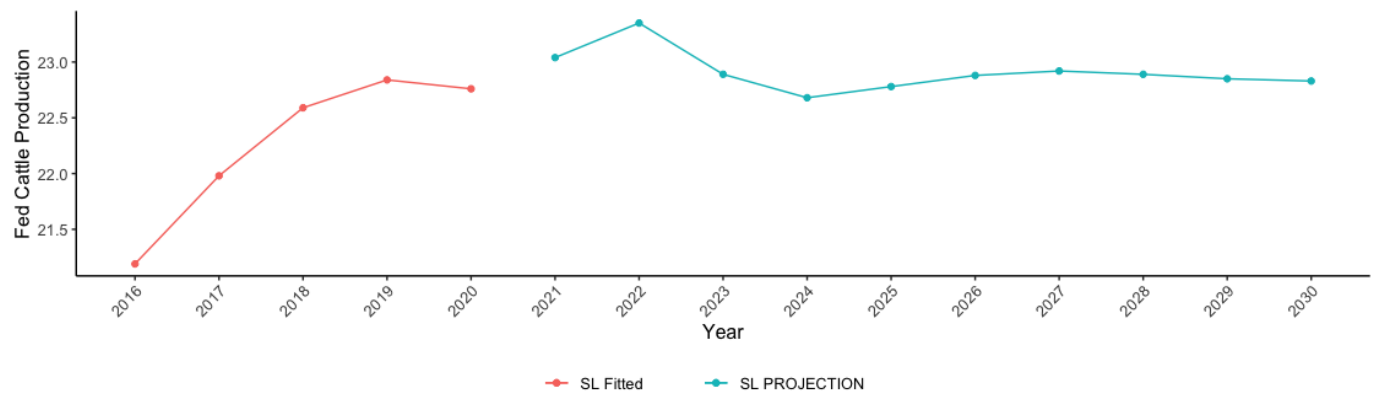


Figure 11: Fed Cattle Meat Production - Projected



Figure 12: Cull Cow Meat Production - Projected

Table 1: Age Distribution

Year	K	k3	k4	k5	k6	k7	k8	k9	k10
2016	30163800	6086400	5278485	4899853	4527454	4182164	4211690	977754.1	0
2017	31170700	6335200	5782080	5014561	4654860	4301082	3973056	1109861.6	0
2018	31466200	6363200	6018440	5492976	4763833	4422117	4086028	319606.3	0
2019	31690700	6108200	6045040	5717518	5218327	4525641	4201011	0.0	0
2020	31338700	5884900	5802790	5742788	5431642	4957411	4299359	0.0	0
2021	31051044	5856705	5590655	5512650	5455649	5160060	4709540	0.0	0
2022	31063066	6102605	5563869	5311122	5237018	5182866	4902057	0.0	0
2023	31157824	6662453	5797475	5285676	5045566	4975167	4923723	0.0	0
2024	31209654	7007377	6329331	5507601	5021392	4793288	4726409	0.0	0
2025	31194386	6891060	6657009	6012864	5232221	4770322	4553623	0.0	0
2026	31159438	6623548	6546507	6324158	5712221	4970610	4531806	0.0	0
2027	31145681	6382723	6292370	6219181	6007950	5426610	4722079	0.0	0
2028	31154580	6498934	6063587	5977752	5908222	5707553	5155279	0.0	0
2029	31166811	6776136	6173988	5760408	5678864	5612811	5422175	0.0	0
2030	31169867	6891576	6437329	5865288	5472388	5394921	5332171	0.0	0

Table 2: Meat Production

Year	Fed Cattle Meat	Cull Cow Meat
2016	21.388	2.757
2017	21.544	3.199
2018	22.477	2.905
2019	22.986	2.412
2020	24.174	2.522
2021	23.044	3.365
2022	23.353	3.384
2023	22.889	3.252
2024	22.680	3.134
2025	22.781	3.117
2026	22.884	3.244
2027	22.918	3.538
2028	22.890	3.722
2029	22.853	3.666
2030	22.832	3.527

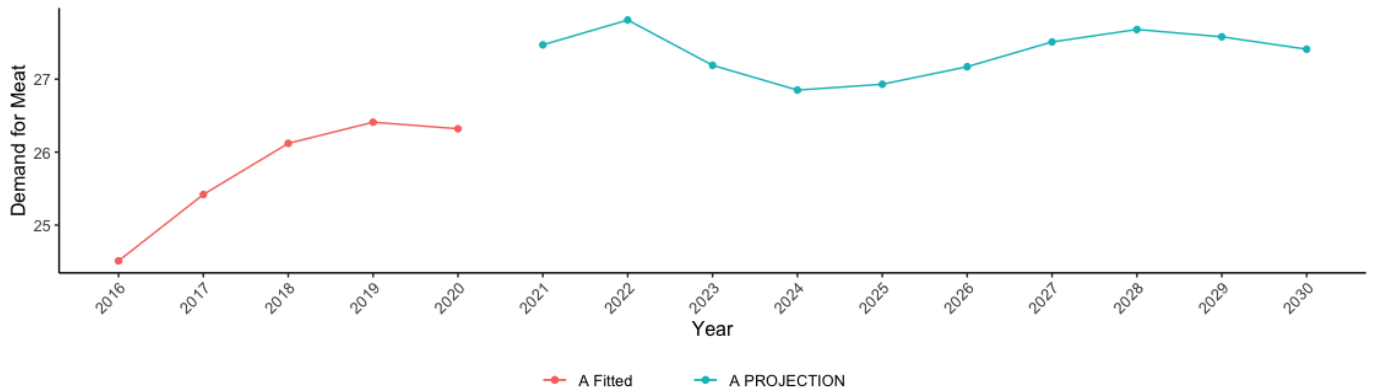


Figure 13: Demand for Meat - Projected