Kansas November General Election Turnout 2020-11-03

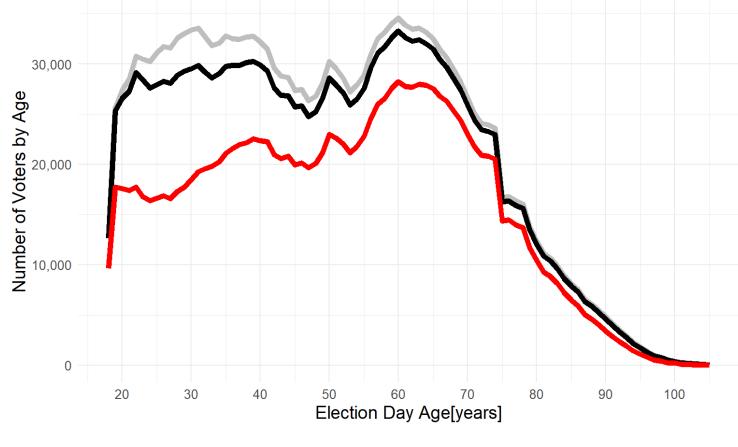
efg 2022-04-30

Outline

- Registered Voters, Active Voters, Ballots Cast
- Percentages of Registered Voters
- Normalized Voter Fraction (Turnout)
- Kansas Statewide Turnout vs 105 Counties
- Party Differences
- Gender Differences
- County-Precinct Differences: JO, SG, SN, WY, DG, ..., Counties

Registered Voters, Active Voters, Ballots Cast

Kansas General Election 2020-11-03: Voters by Age - Kansas Statewide 1,897,481 Registered Voters; 1,787,645 Active Voters; 1,381,516 Ballots Cast



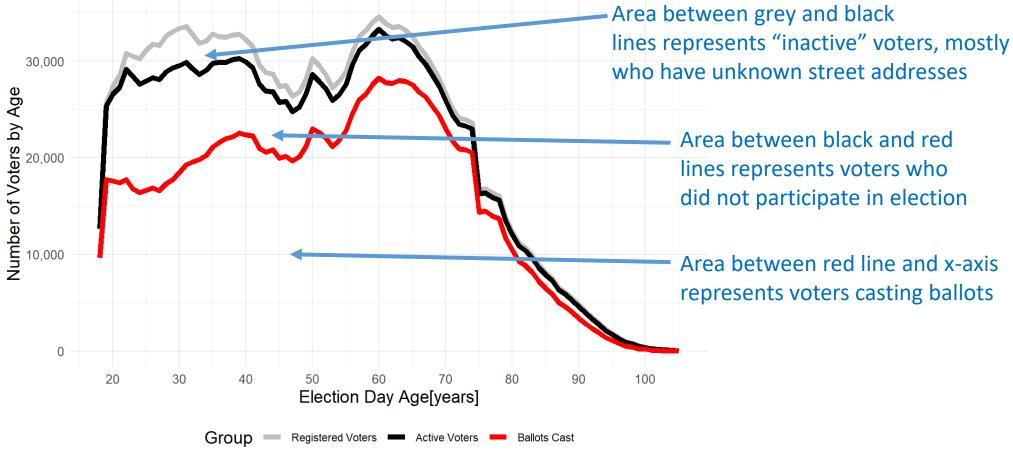
	Registered Active		Ballots	
Age	Voters	Voters	Cast	
18	12,708	12,635	9,630	
19	25,671	25,336	17,758	
20	27,380	26,529	17,610	
21	28,516	27,291	17,395	
22	30,756	29,133	17,736	
23	30,512	28,397	16,797	
24	30,269	27,613	16,409	
25	31,115	27,916	16,617	
26	31,758	28,291	16,873	
27	31,596	28,094	16,59 4	
28	32,597	28,892	17,295	
29	33,039	29,305	17,718	
30	33,356	29,512	18,474	
• • •				

105	51	42	12
	00	55	12
104	65	55	12
103	137	118	34
102	188	159	63
101	279	233	102
100	425	387	213
99	565	504	242

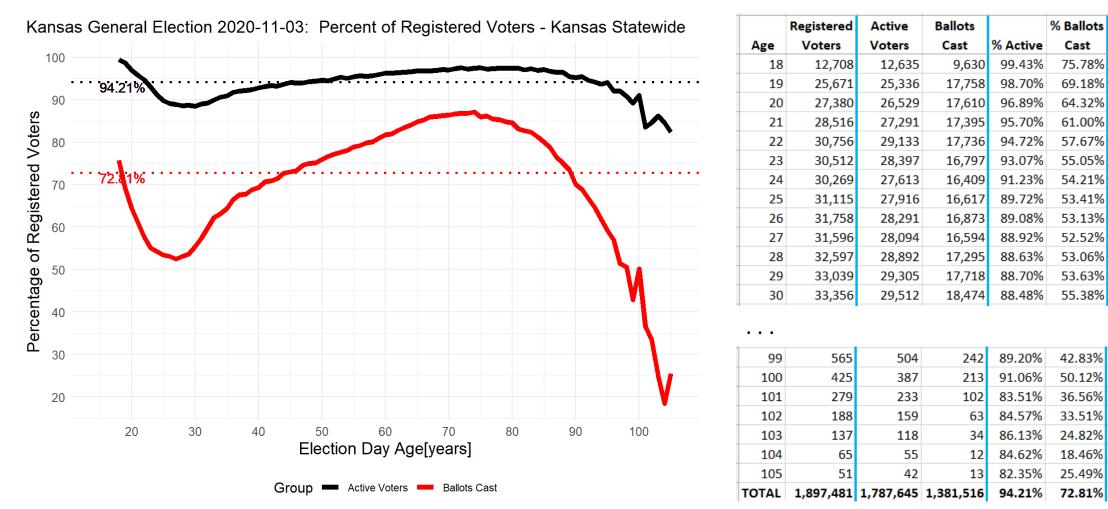
Group — Registered Voters — Active Voters — Ballots Cast

Registered Voters, Active Voters, Ballots Cast

Kansas General Election 2020-11-03: Voters by Age - Kansas Statewide 1,897,481 Registered Voters; 1,787,645 Active Voters; 1,381,516 Ballots Cast



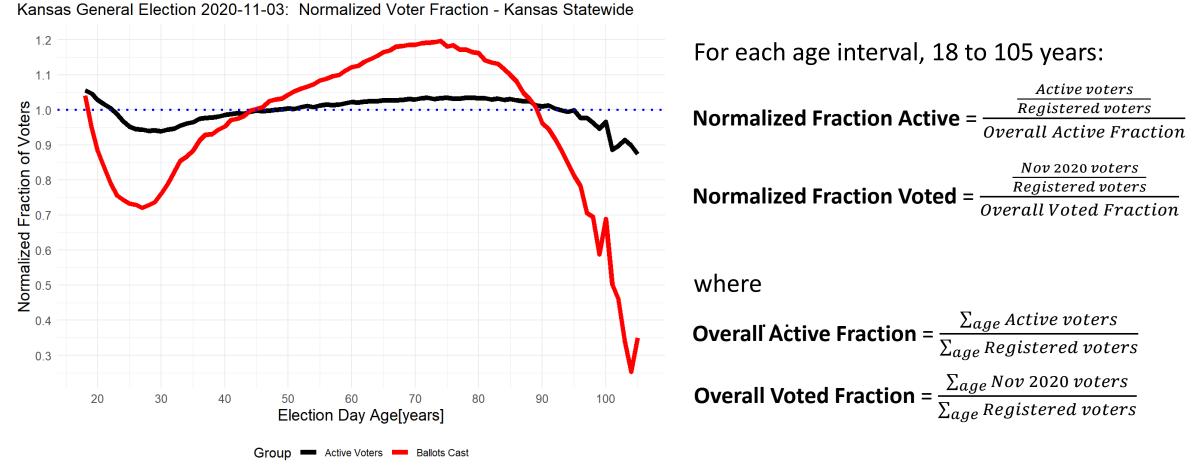
Percentages: Active Voters, Voters Casting Ballots



	Registered	Active	Ballots		% Ballots
Age	Voters	Voters	Cast	% Active	Cast
18	12,708	12,635	9,630	99.43%	75.78%
19	25,671	25,336	17,758	98.70%	69.18%
20	27,380	26,529	17,610	96.89%	64.32%
21	28,516	27,291	17,395	95.70%	61.00%
22	30,756	29,133	17,736	94.72%	57.67%
23	30,512	28,397	16,797	93.07%	55.05%
24	30,269	27,613	16,409	91.23%	54.21%
25	31,115	27,916	16,617	89.72%	53.41%
26	31,758	28,291	16,873	89.08%	53.13%
27	31,596	28,094	16,594	88.92%	52.52%
28	32,597	28,892	17,295	88.63%	53.06%
29	33,039	29,305	17,718	88.70%	53.63%
30	33,356	29,512	18,474	88.48%	55.38%
				-	
•••					
99	565	504	242	89.20%	42.83%
100	425	387	213	91.06%	50.12%
101	279	233	102	83.51%	36.56%
102	188	159	63	84.57%	33.51%
103	137	118	34	86.13%	24.82%
104	65	55	12	84.62%	18.46%
105	51	42	13	82.35%	25.49%

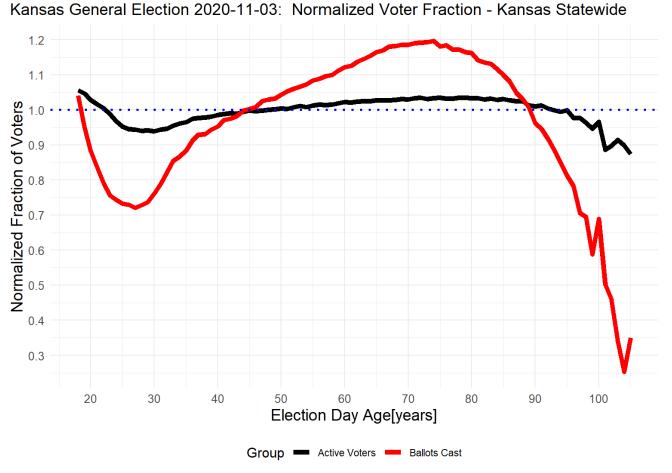
Source: Kansas Secretary of State, Voter File 2021-02-05

Normalized Voter Fraction (Turnout)



Source: Kansas Secretary of State, Voter File 2021-02-05

Normalized Voter Fraction (Turnout)



		% Ballots	Active	Ballots
Age	% Active	Cast	Normalized	Normalized
18	99.43%	75.78%	1.055	1.041
19	98.70%	69.18%	1.048	0.950
20	96.89%	64.32%	1.028	0.883
21	95.70%	61.00%	1.016	0.838
22	94.72%	57.67%	1.005	0.792
23	93.07%	55.05%	0.988	0.756
24	91.23%	54.21%	0.968	0.745
25	89.72%	53.41%	0.952	0.734
26	89.08%	53.13%	0.946	0.730
27	88.92%	52.52%	0.944	0.721
28	88.63%	53.06%	0.941	0.729
29	88.70%	53.63%	0.941	0.737
30	88.48%	55.38%	0.939	0.761

TOTAL	94.21%	72.81%	1.000	1.000
105	82.35%	25.49%	0.874	0.350
104	84.62%	18.46%	0.898	0.254
103	86.13%	24.82%	0.914	0.341
102	84.57%	33.51%	0.898	0.460
101	83.51%	36.56%	0.886	0.502
100	91.06%	50.12%	0.967	0.688
99	89.20%	42.83%	0.947	0.588

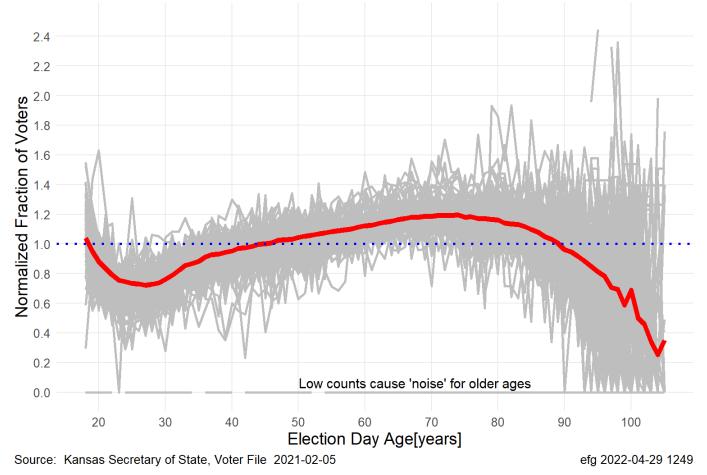
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Source: Kansas Secretary of State, Voter File 2021-02-05

Normalized Turnout: Kansas vs 105 Counties

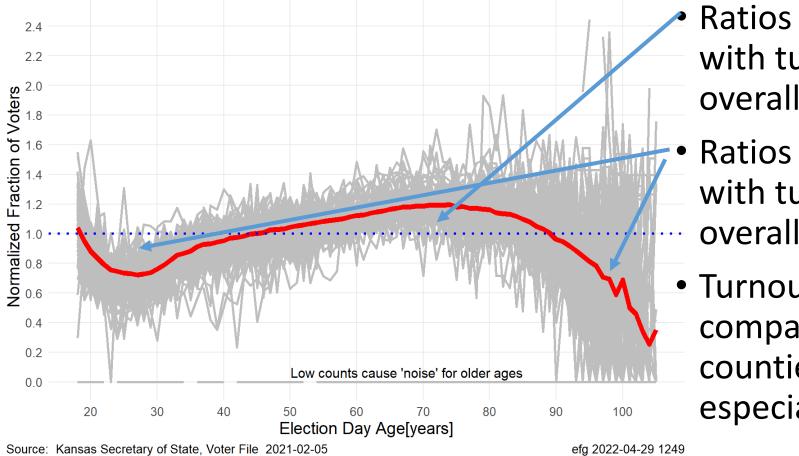
Turnout curves can vary considerably across counties in the state.

Kansas General Election 2020-11-03: Normalized Voter Faction by Age Kansas Statewide = red line; 105 Counties = grey lines;



Advantages of Normalized Turnout

Kansas General Election 2020-11-03: Normalized Voter Faction by Age Kansas Statewide = red line; 105 Counties = grey lines;

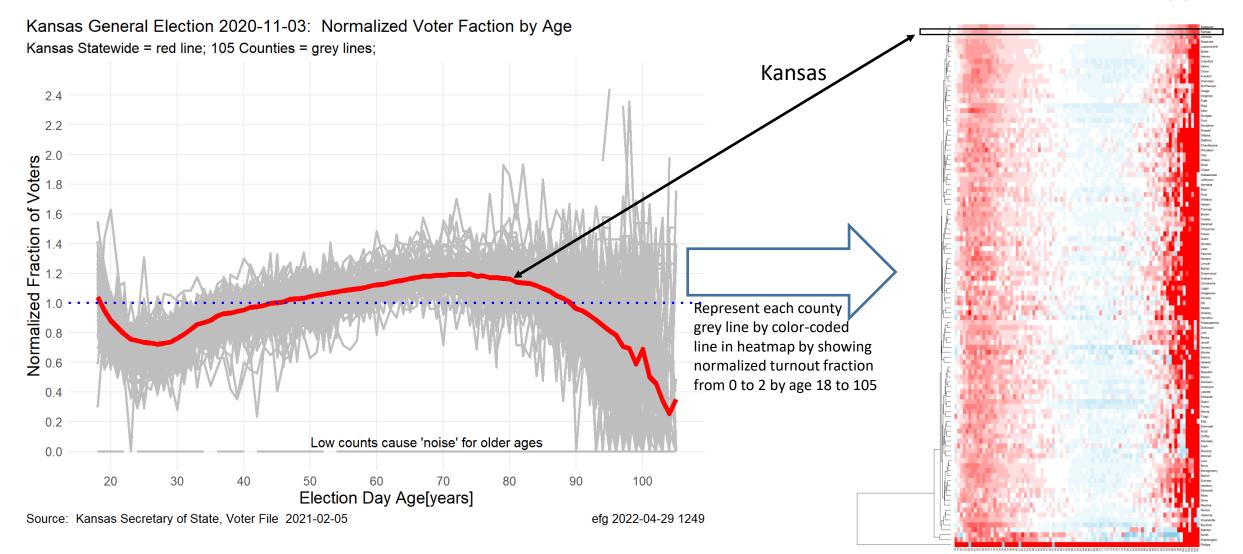


- Ratios > 1 show age ranges
 with turnout better than
 overall, e.g., 45 89
- Ratios < 1 show age ranges with turnout worse than
 overall, ≤ 44 or ≥ 90
- Turnout curves can be compared among state and counties, or other districts, especially using "heatmaps"

Kansas November General Election: Normalized Voter Turnout by Age

Red Line = Statewide Turnout; Grey Lines = Turnout for Each of 105 Counties

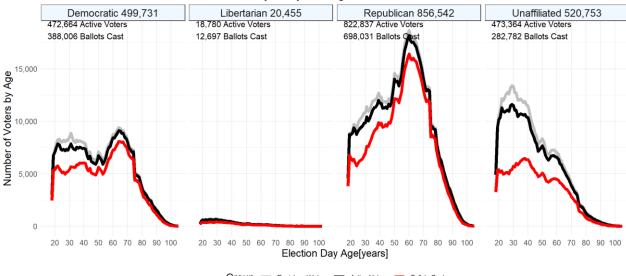
Kansas General Election 2020-11-03: Normalized Voter Faction by Age



rce: Kansas Secretary of State, Voter File 2021-02-05 - efg 2022-04-29 1249

Party Differences

Nov 2020

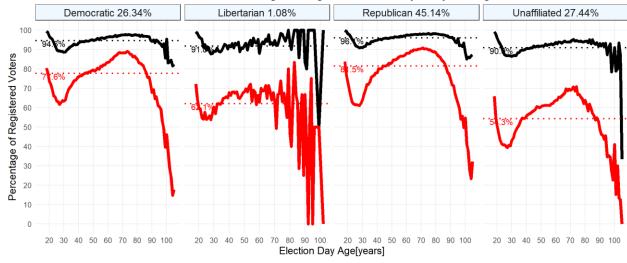


Group — Registered Voters — Active Voters — Ballots Cast

Source: Kansas Secretary of State, Voter File 2021-02-05

efg 2022-04-29 1249

Kansas General Election 2020-11-03: Percentage of Registered Voters by Party and Age - Kansas Statewide

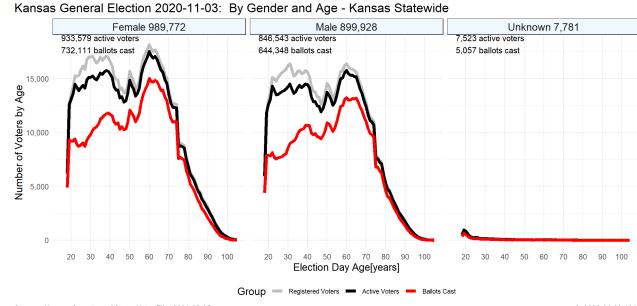


Group - Active Voters - Ballots Cast

Source: Kansas Secretary of State, Voter File 2021-02-05

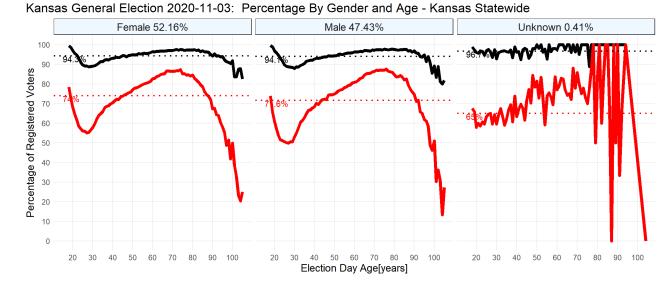
Gender Differences

Nov 2020



Source: Kansas Secretary of State, Voter File 2021-02-05

efg 2022-04-29 1249

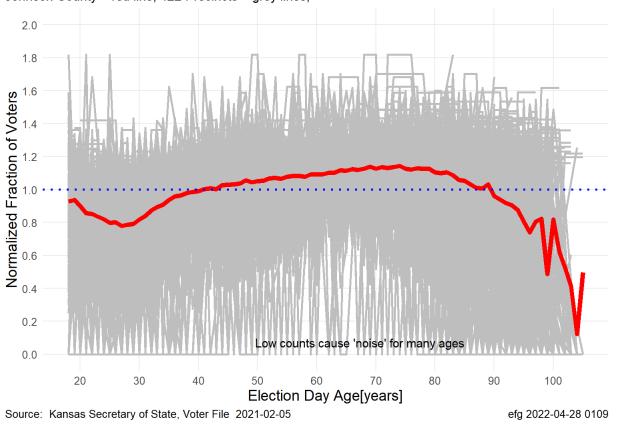


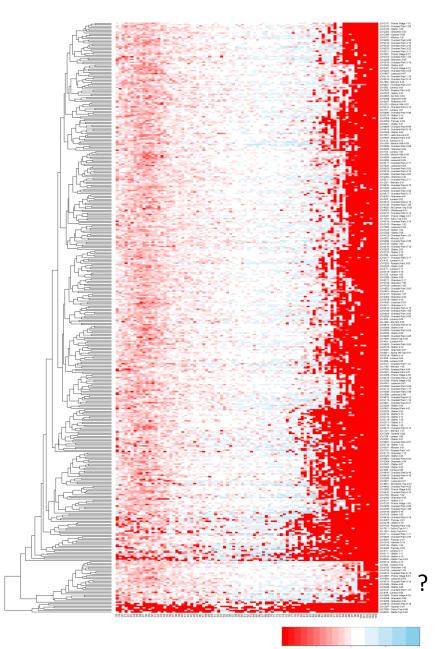
Group — Active Voters — Ballots Cast

Normalized Turnout: Johnson County vs Precincts

Turnout curves can vary considerably by precincts within a county.

Kansas General Election 2020-11-03: Normalized Voter Faction by Age Johnson County = red line; 422 Precincts = grey lines;

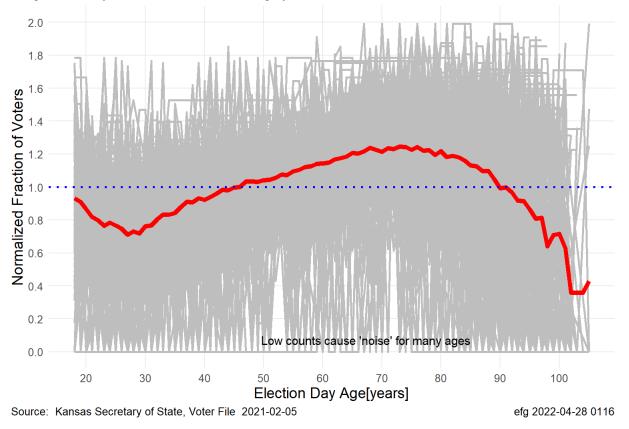


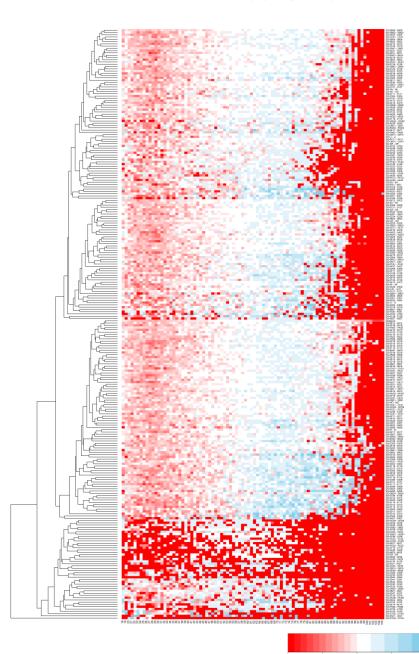


Normalized Turnout: Sedgwick County vs Precincts

Turnout curves can vary considerably by precincts within a county.

Kansas General Election 2020-11-03: Normalized Voter Faction by Age Sedgwick County = red line; 259 Precincts = grey lines;

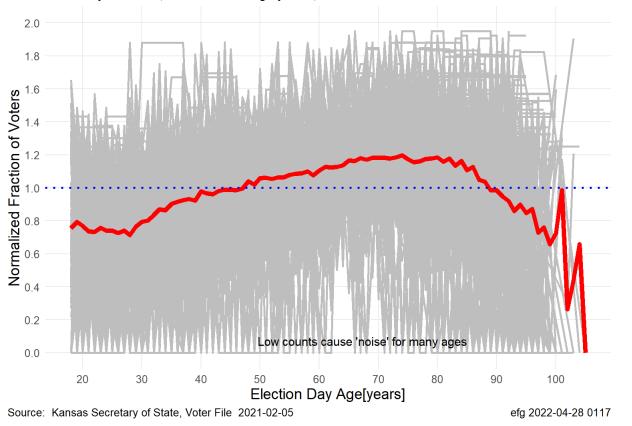


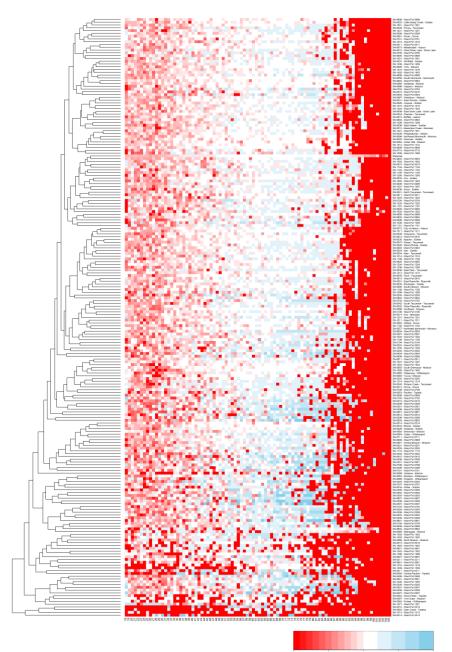


Normalized Turnout: Shawnee County vs Precincts

Turnout curves can vary considerably by precincts within a county.

Kansas General Election 2020-11-03: Normalized Voter Faction by Age Shawnee County = red line; 214 Precincts = grey lines;

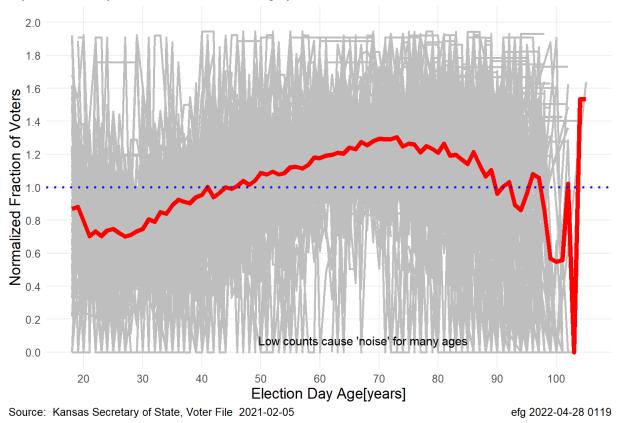


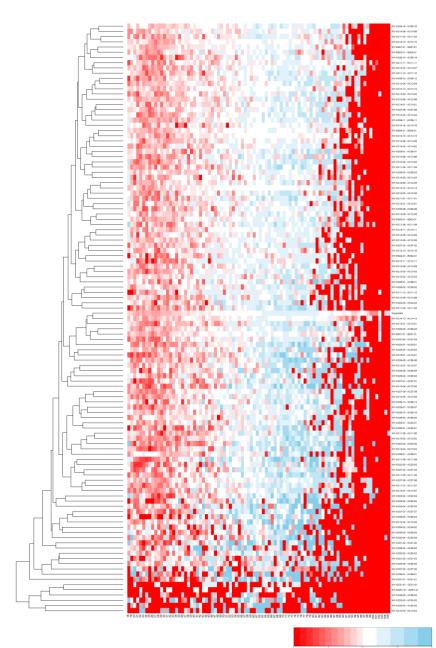


Normalized Turnout: Wyandotte County vs Precincts

Turnout curves can vary considerably by precincts within a county.

Kansas General Election 2020-11-03: Normalized Voter Faction by Age Wyandotte County = red line; 112 Precincts = grey lines;

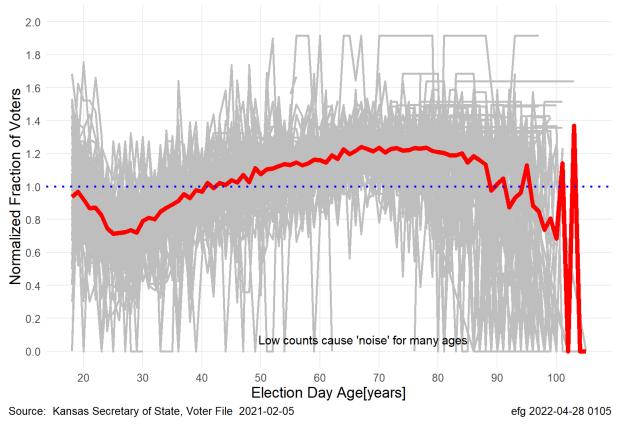


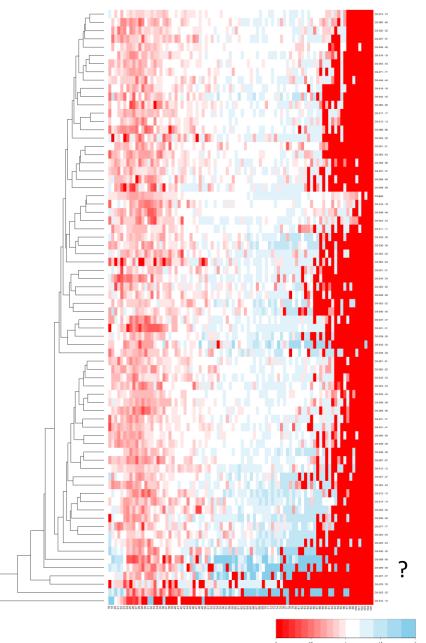


Normalized Turnout: Douglas County vs Precincts

Turnout curves can vary considerably by precincts within a county.

Kansas General Election 2020-11-03: Normalized Voter Faction by Age Douglas County = red line; 71 Precincts = grey lines;



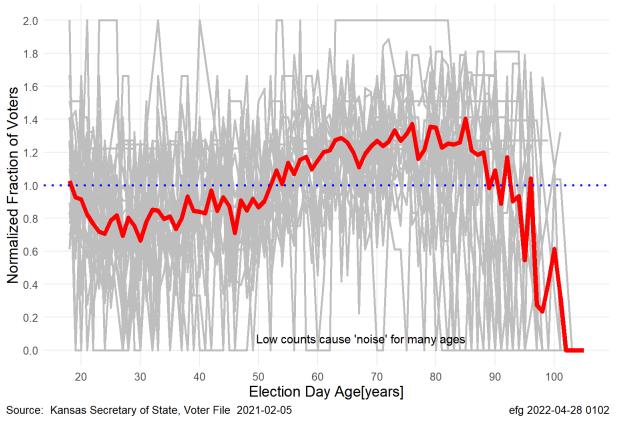


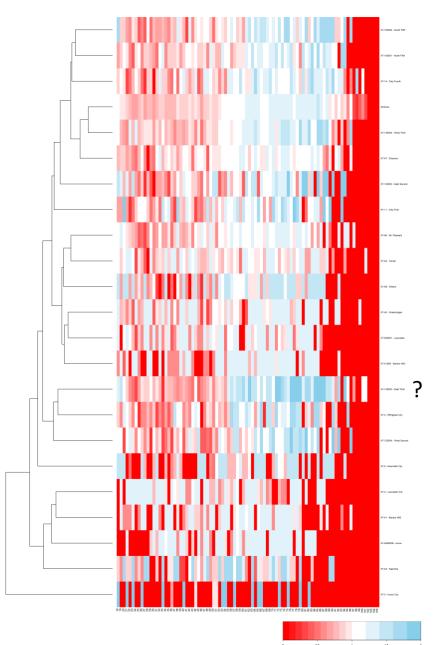
Source: Kansas Secretary of State, Voter File 2021-02-05 - efg 2022-04-28 0105

Normalized Turnout: Atchison County vs Precincts

Turnout curves can vary considerably by precincts within a county.

Kansas General Election 2020-11-03: Normalized Voter Faction by Age Atchison County = red line; 22 Precincts = grey lines;

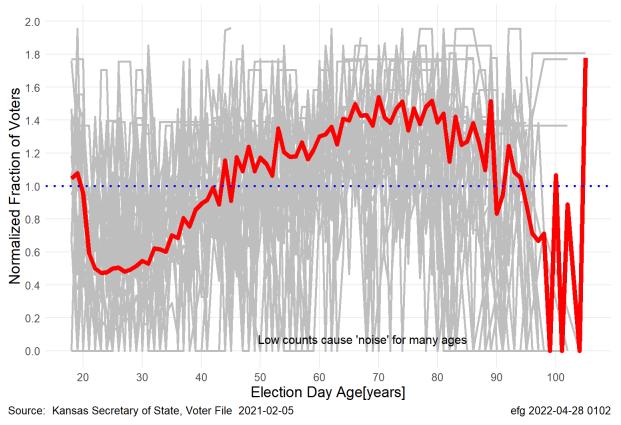


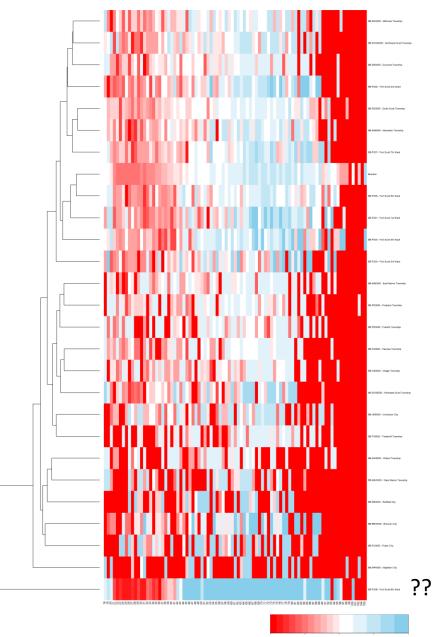


Normalized Turnout: Bourbon County vs Precincts

Turnout curves can vary considerably by precincts within a county.

Kansas General Election 2020-11-03: Normalized Voter Faction by Age Bourbon County = red line; 26 Precincts = grey lines;





Normalized Turnout: Finney County vs Precincts

Turnout curves can vary considerably by precincts within a county.

Kansas General Election 2020-11-03: Normalized Voter Faction by Age Finney County = red line; 31 Precincts = grey lines;

