

04.2 - Poisson-distribution NE Wells

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The following is a summary of wells drilled in Cheyenne County, Nebraska from the year 1912 to February 17, 2022. The data is provided by Nebraska Oil & Gas Commission. ¹

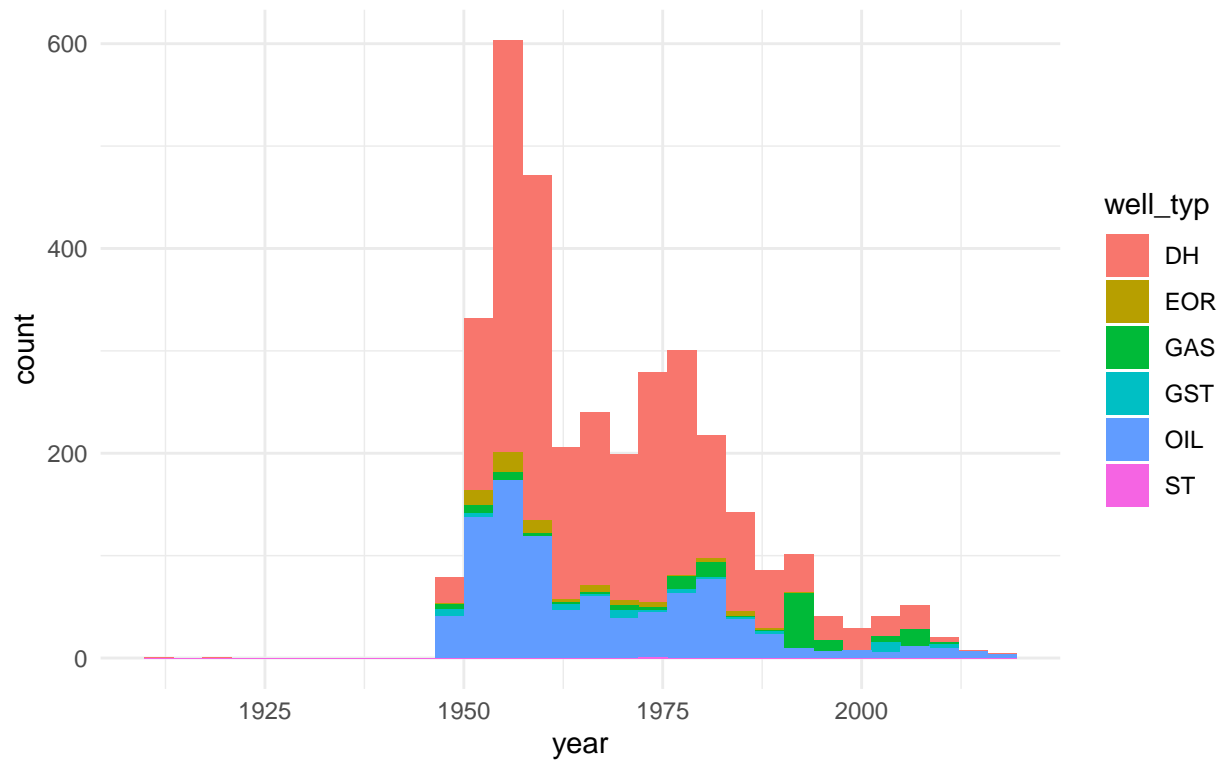
Table 1. Wells Drilled in Cheyenne County, Nebraska.

Count of Wells Drilled by type			
Cheyenne County, NE			
well_typ	count	freq	
DH	2253	0.63	
OIL	922	0.26	
GAS	155	0.04	
EX	103	0.03	
EOR	80	0.02	
GST	53	0.01	
ST	1	0.00	
WS	1	0.00	
sum	—	3568	1

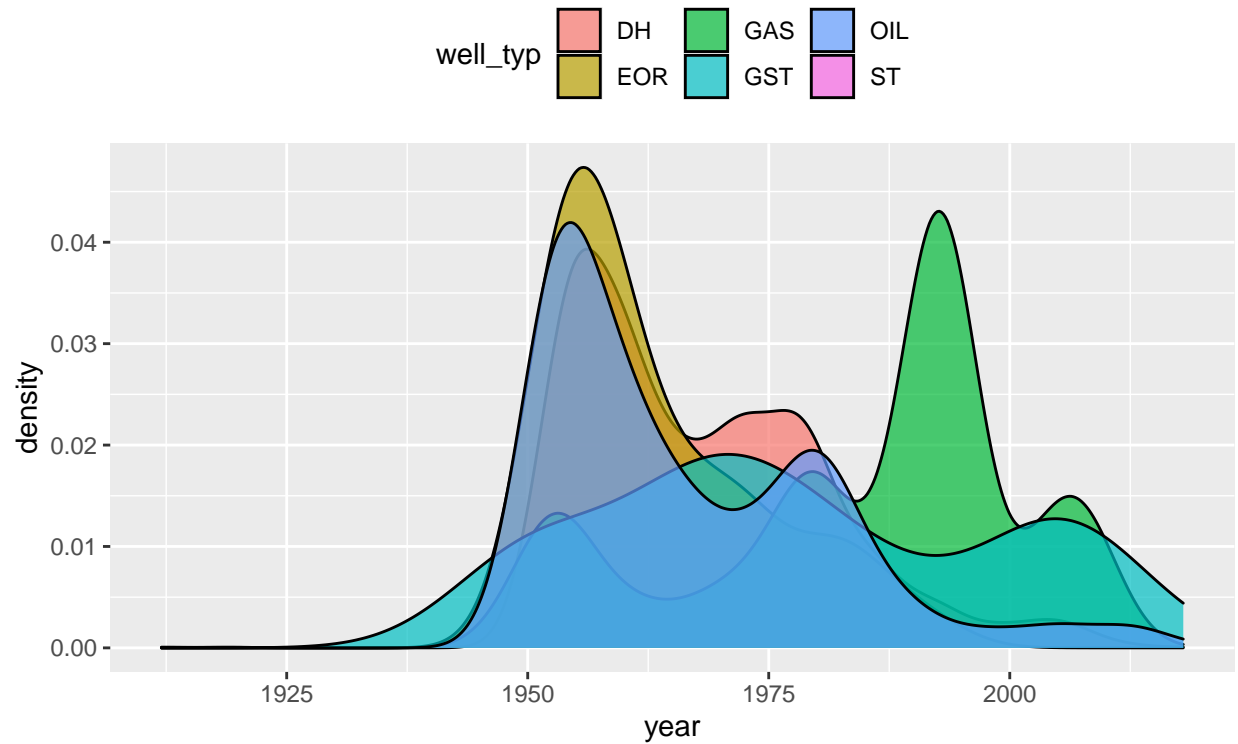
Source: Nebraska Oil & Gas Commission, Feb. 17, 2022.

¹Nebraska Oil and Gas Commission, <http://www.nogcc.ne.gov/Publications/NebraskaWellData.zip> (last visited April 18, 2022)

Histogram of Well Counts Drilled by Year
Cheyenne Co. NE



Kernal Density Estimation Plot of Wells Drilled by Year Cheyenne Co. NE



Sheather, S. J. and Jones, M. C. (1991). A reliable data-based bandwidth selection method for kernel density estimation. *Journal of the Royal Statistical Society series B*, 53, 683–690. doi: 10.1111/j.2517-6161.1991.tb01857.x. <https://www.jstor.org/stable/2345597>.