

# Online Appendix

## Gunfighting System Participants

Name	Period of Activity	Number of Fights	General Roles	Professional	Main Component*
Robert A. Clay Allison	1862-1876	4	Non-Incorporation	FALSE	FALSE
Burt Alvord	1885-1904	6	Mixed	TRUE	TRUE
D.L. Anderson	1880-1918	3	Mixed	TRUE	TRUE
Hugh Anderson	1871-1873	2	Other	FALSE	TRUE
William Anderson	1873-1873	2	Non-Incorporation	TRUE	FALSE
John Barclay Armstrong	1876-1877	3	Incorporation	TRUE	TRUE
Ira Aten	1884-1891	6	Incorporation	TRUE	TRUE
Elfego Baca	1884-1915	2	Incorporation	TRUE	FALSE
Cullen Montgomery Baker	1854-1869	7	Non-Incorporation	TRUE	TRUE
Clint Barkley	1873-1877	5	Non-Incorporation	FALSE	FALSE
Seaborn Barnes	1878-1878	3	Non-Incorporation	TRUE	TRUE
Samuel Bass	1878-1878	3	Non-Incorporation	TRUE	TRUE
Edward Beard	1873-1873	3	Other	FALSE	FALSE
John H. Beckwith	1878-1879	3	Incorporation	FALSE	TRUE
Robert Beckwith	1878-1878	3	Incorporation	FALSE	TRUE
Juan Bideno	1871-1871	2	Unknown	FALSE	TRUE
William Blake	1893-1895	3	Non-Incorporation	TRUE	TRUE
Andy Blevins	1887-1887	2	Non-Incorporation	FALSE	FALSE
Charlie Bowdre	1877-1880	4	Non-Incorporation	FALSE	TRUE
William Milton Breakenridge	1881-1882	2	Incorporation	TRUE	TRUE
Richard M. Brewer	1877-1878	3	Incorporation	FALSE	TRUE
Jack L. Bridges	1871-1871	1	Incorporation	TRUE	TRUE
William Brooks	1872-1874	5	Mixed	TRUE	FALSE
Henry Newton Brown	1876-1884	10	Mixed	TRUE	TRUE
Charles Bryant	1891-1891	1	Non-Incorporation	TRUE	TRUE
Reuben Houston Burrows	1888-1889	4	Non-Incorporation	TRUE	FALSE
Frank Canton	1874-1896	6	Mixed	TRUE	TRUE

Thomas Carson	1871-1872	2	Mixed	TRUE	FALSE
Lon Chambers	1880-1883	2	Mixed	TRUE	TRUE
Nathan D. Champion	1891-1892	2	Non-Incorporation	FALSE	TRUE
Will Christian	1895-1897	5	Non-Incorporation	TRUE	TRUE
Willard Erastus Christianson	1892-1896	4	Mixed	TRUE	TRUE
Ned Christie	1885-1892	8	Non-Incorporation	FALSE	TRUE
William F. Claiborne	1881-1882	3	Non-Incorporation	FALSE	TRUE
Joseph Ike Clanton	1881-1887	2	Non-Incorporation	FALSE	TRUE
William Clanton	1881-1881	1	Non-Incorporation	FALSE	TRUE
Jim Cummings Clark	1885-1885	1	Mixed	TRUE	FALSE
Emmanuel Clements	1894-1894	2	Non-Incorporation	FALSE	TRUE
Emmanuel Clements Jr	1871-1887	2	Incorporation	TRUE	TRUE
Dan Clifton	1892-1897	5	Non-Incorporation	TRUE	TRUE
Frank Coe	1878-1881	4	Unknown	FALSE	TRUE
George Washington Coe	1878-1881	6	Unknown	FALSE	TRUE
Philip Houston Coe	1871-1871	1	Mixed	TRUE	TRUE
Chunk Colbert	1871-1874	3	Non-Incorporation	FALSE	FALSE
James Cole	1886-1887	3	Incorporation	TRUE	FALSE
Ben Collins	1905-1906	2	Incorporation	TRUE	TRUE
Thalis Cook	1895-1896	2	Incorporation	TRUE	TRUE
Scott Cooley	1875-1875	4	Mixed	TRUE	TRUE
Timothy Isaiah Courtwright	1882-1887	3	Mixed	TRUE	TRUE
Jim Crane	1881-1881	3	Non-Incorporation	TRUE	TRUE
Ben Cravens	1896-1901	4	Non-Incorporation	TRUE	FALSE
Ed Crawford	1873-1873	2	Incorporation	TRUE	FALSE
Florentino Cruz	1882-1882	2	Non-Incorporation	TRUE	TRUE
Samuel N Cummings	1881-1882	2	Incorporation	TRUE	TRUE
George Curry	1897-1900	3	Non-Incorporation	TRUE	TRUE
Emmett Dalton	1892-1892	2	Mixed	TRUE	TRUE
Gratton Dalton	1888-1892	4	Mixed	TRUE	TRUE
Robert Reddick Dalton	1888-1892	4	Mixed	TRUE	TRUE
William Marion Dalton	1893-1894	4	Non-Incorporation	TRUE	TRUE

Roy Daugherty	1893-1924	2	Non-Incorporation	TRUE	TRUE
Lewis S. Delony	1879-1888	3	Incorporation	TRUE	FALSE
William M. Doolin	1891-1896	7	Non-Incorporation	TRUE	TRUE
Les Dow	1896-1897	2	Mixed	TRUE	TRUE
Jack Dunlap	1896-1900	3	Non-Incorporation	TRUE	TRUE
William B. Dunn	1895-1896	3	Mixed	TRUE	TRUE
Bill Earhart	1888-1896	2	Unknown	FALSE	TRUE
Morgan Earp	1881-1882	2	Mixed	TRUE	TRUE
Virgil Earp	1876-1881	4	Incorporation	TRUE	TRUE
Warren Earp	1882-1900	3	Mixed	TRUE	TRUE
Wyatt Berry Stapp Earp	1878-1884	5	Mixed	TRUE	TRUE
Joe Elliot	1891-1892	2	Incorporation	TRUE	TRUE
Tranquellano Estabo	1895-1895	2	Unknown	TRUE	TRUE
Chris Evans	1892-1893	2	Non-Incorporation	TRUE	FALSE
Jesse Evans	1877-1880	5	Mixed	TRUE	TRUE
John King Fisher	1876-1884	4	Mixed	TRUE	TRUE
George W. Flatt	1879-1880	3	Mixed	TRUE	FALSE
Robert Ford	1882-1892	3	Non-Incorporation	TRUE	TRUE
Albert Jennings Fountain	1870-1873	2	Incorporation	TRUE	TRUE
G. A. Frazer	1894-1896	3	Incorporation	TRUE	TRUE
Jim French	1878-1878	2	Non-Incorporation	TRUE	TRUE
Patrick Floyd Garrett	1876-1908	8	Mixed	TRUE	TRUE
James Buchanon Gillett	1877-1878	2	Incorporation	TRUE	TRUE
Crawford Goldsby	1894-1896	5	Non-Incorporation	TRUE	TRUE
John Good	1877-1888	3	Non-Incorporation	FALSE	TRUE
Dayton Graham	1901-1902	2	Incorporation	TRUE	FALSE
William Graham	1880-1881	2	Non-Incorporation	FALSE	TRUE
Francisco Griego	1875-1875	2	Unknown	TRUE	FALSE
Bill Gristy	1856-1865	3	Non-Incorporation	FALSE	FALSE
Jesse Lee Hall	1873-1885	4	Incorporation	TRUE	TRUE
John Wesley Hardin	1868-1895	19	Mixed	TRUE	TRUE
Dee Harkey	1884-1908	3	Incorporation	TRUE	TRUE

Bob Hays	1896-1896	2	Non-Incorporation	TRUE	TRUE
Harry Head	1881-1881	2	Non-Incorporation	TRUE	TRUE
Jack Helm	1869-1873	4	Incorporation	TRUE	TRUE
James Butler Hickok	1861-1876	8	Mixed	TRUE	TRUE
Fred R. Higgins	1896-1897	2	Incorporation	TRUE	TRUE
John Calhoun Pinckney Higgins	1874-1903	8	Non-Incorporation	FALSE	FALSE
Tom Hill	1877-1878	4	Non-Incorporation	FALSE	TRUE
George W. Hindman	1875-1878	2	Incorporation	TRUE	TRUE
Robert Woodson Hite	1881-1882	2	Non-Incorporation	TRUE	TRUE
Thomas Hodges	1856-1856	3	Mixed	TRUE	FALSE
John Henry Holliday	1875-1884	8	Mixed	TRUE	TRUE
Cassius M. Hollister	1883-1884	3	Incorporation	TRUE	TRUE
Tuck Hoover	1878-1894	3	Other	FALSE	TRUE
Tom Horn	1900-1903	4	Mixed	TRUE	TRUE
Benjamin Horrell	1873-1873	2	Non-Incorporation	FALSE	FALSE
Martin Horrell	1873-1877	8	Mixed	TRUE	FALSE
Merritt Horrell	1873-1877	2	Non-Incorporation	FALSE	FALSE
Samuel W. Horrell	1873-1877	7	Non-Incorporation	FALSE	FALSE
Thomas Horrell	1873-1877	8	Non-Incorporation	FALSE	FALSE
Tom Hueston	1892-1893	2	Incorporation	TRUE	TRUE
John Reynolds Hughes	1872-1896	11	Incorporation	TRUE	TRUE
J. Frank Hunt	1880-1880	2	Incorporation	TRUE	FALSE
Frank Jackson	1876-1878	4	Non-Incorporation	TRUE	TRUE
Franklin James	1868-1876	5	Non-Incorporation	TRUE	TRUE
Jesse James	1864-1882	9	Non-Incorporation	TRUE	TRUE
Napoleon Augustus Jennings	1876-1876	2	Incorporation	TRUE	TRUE
Jack Johnson	1876-1882	3	Incorporation	FALSE	TRUE
William H. Johnson	1877-1878	3	Incorporation	TRUE	TRUE
Frank Jones	1891-1893	2	Incorporation	TRUE	TRUE
John Jones	1878-1879	4	Mixed	FALSE	TRUE
Ed O. Kelly	1892-1892	1	Non-Incorporation	TRUE	TRUE
David Lyle Kemp	1877-1897	2	Mixed	TRUE	TRUE

Thomas Ketchum	1899-1899	3	Non-Incorporation	TRUE	TRUE
John M. Larn	1871-1878	4	Mixed	TRUE	TRUE
William Ellsworth Lay	1899-1899	2	Non-Incorporation	TRUE	TRUE
Oliver Milton Lee	1888-1907	5	Mixed	TRUE	TRUE
Bill Leonard	1881-1881	2	Non-Incorporation	TRUE	TRUE
Nashville Franklin Leslie	1880-1889	3	Mixed	TRUE	TRUE
Seldon T. Lindsey	1873-1895	6	Incorporation	TRUE	TRUE
Harvey Logan	1894-1904	11	Non-Incorporation	TRUE	TRUE
Louie Logan	1894-1900	3	Non-Incorporation	FALSE	TRUE
John Long	1876-1878	5	Incorporation	TRUE	TRUE
Steve Long	1867-1868	3	Mixed	TRUE	FALSE
Harry Longabaugh	1899-1908	4	Non-Incorporation	TRUE	TRUE
William Preston Longley	1867-1876	12 <sup>a</sup>	Non-Incorporation	TRUE	TRUE
Frank Loving	1879-1882	2	Non-Incorporation	TRUE	FALSE
Joseph Lowe	1872-1899	4	Non-Incorporation	TRUE	FALSE
Christian Madsen	1892-1896	4	Incorporation	TRUE	TRUE
James Manning	1875-1882	3	Non-Incorporation	FALSE	TRUE
Boone Marlow	1886-1888	2	Other	FALSE	FALSE
Edward J. Masterson	1877-1878	3	Incorporation	TRUE	TRUE
James P. Masterson	1878-1893	6	Mixed	TRUE	TRUE
William B. Masterson	1876-1881	3	Mixed	TRUE	TRUE
Dave H. Mather	1879-1885	5	Mixed	TRUE	TRUE
Jacob B. Matthews	1878-1879	4	Incorporation	TRUE	TRUE
John McCall	1876-1876	1	Other	FALSE	TRUE
Henry McCarty	1877-1881	16	Non-Incorporation	TRUE	TRUE
Tom McCarty	1892-1900	3	Non-Incorporation	TRUE	TRUE
Arthur McCluskie	1873-1873	1	Other	FALSE	TRUE
Mike McCluskie	1871-1871	2	Incorporation	TRUE	TRUE
Andrew McConnell	1870-1870	2	Other	FALSE	FALSE
Thomas L. McKinney	1881-1881	1	Incorporation	TRUE	TRUE
Frank McLaury	1881-1881	1	Non-Incorporation	FALSE	TRUE
Thomas McLaury	1881-1881	1	Non-Incorporation	FALSE	TRUE

Sherman McMasters	1882-1882	2	Incorporation	TRUE	TRUE
Frank McNab	1878-1878	2	Non-Incorporation	FALSE	TRUE
Michael Meagher	1877-1881	2	Mixed	TRUE	FALSE
Bob Meldrum	1899-1912	2	Mixed	TRUE	TRUE
John Middleton	1878-1878	3	Mixed	FALSE	TRUE
Clelland Miller	1875-1876	2	Non-Incorporation	TRUE	TRUE
James B. Miller	1884-1909	14	Mixed	TRUE	TRUE
Jeff Davis Milton	1881-1917	8	Incorporation	TRUE	TRUE
William Miner	1879-1911	4	Non-Incorporation	TRUE	FALSE
John Morco	1868-1873	3	Non-Incorporation	TRUE	TRUE
Harry N. Morse	1865-1872	4	Incorporation	TRUE	FALSE
Burton Mossman	1896-1901	5	Incorporation	TRUE	FALSE
George Newcomb	1892-1895	6	Non-Incorporation	TRUE	TRUE
Lon Oden	1889-1893	2	Incorporation	TRUE	TRUE
Tom O'Folliard	1878-1880	3	Non-Incorporation	TRUE	TRUE
John Wallace Olinger	1878-1878	3	Incorporation	TRUE	TRUE
Robert A. Olinger	1878-1881	5	Mixed	TRUE	TRUE
John O'Rourke	1881-1882	2	Non-Incorporation	TRUE	TRUE
Baz Outlaw	1889-1894	3	Incorporation	TRUE	TRUE
Commodore Perry Owens	1886-1887	2	Incorporation	TRUE	FALSE
Robert LeRoy Parker	1892-1908	2	Non-Incorporation	TRUE	TRUE
Lewis Peacock	1868-1871	4	Incorporation	FALSE	FALSE
Tom Pickett	1880-1880	1	Mixed	TRUE	TRUE
Charley Pierce	1892-1895	2	Non-Incorporation	TRUE	TRUE
Henry Plummer	1857-1863	5	Mixed	TRUE	FALSE
Norrato Ponce	1865-1865	2	Non-Incorporation	FALSE	FALSE
Sylvester Powell	1877-1877	1	Other	FALSE	FALSE
William F. Raidler	1895-1895	4	Non-Incorporation	TRUE	TRUE
Charlie Reed	1877-1883	2	Non-Incorporation	FALSE	TRUE
Jim Reed	1861-1874	3	Non-Incorporation	TRUE	FALSE
Barney Riggs	1887-1900	3	Mixed	TRUE	TRUE
Jim Riley	1871-1871	1	Unknown	FALSE	TRUE

Thomas Riley	1868-1868	2	Unknown	FALSE	FALSE
John Ringo	1879-1881	2	Mixed	TRUE	TRUE
Andrew L. Roberts	1878-1878	1	Mixed	FALSE	TRUE
Jim Roberts	1887-1928	4	Mixed	TRUE	TRUE
Judd Roberts	1887-1887	3	Non-Incorporation	TRUE	TRUE
Ben F. Robertson	1878-1884	4	Mixed	TRUE	TRUE
David Rudabaugh	1880-1886	6	Non-Incorporation	TRUE	TRUE
Thomas Rynning	1902-1906	3	Incorporation	TRUE	FALSE
Yginio Salazar	1878-1878	1	Mixed	FALSE	TRUE
George W. Scarborough	1895-1900	4	Incorporation	TRUE	TRUE
Josiah G. Scurlock	1868-1882	5	Non-Incorporation	TRUE	TRUE
John Selman	1876-1896	7	Mixed	TRUE	TRUE
Lafayette Shadley	1892-1893	2	Incorporation	TRUE	TRUE
Oliver Shepherd	1866-1868	3	Non-Incorporation	TRUE	TRUE
James D. Sherman	1881-1896	2	Other	FALSE	FALSE
Mike Shonsey	1892-1893	2	Incorporation	FALSE	TRUE
Cyrus Wells Shores	1880-1891	2	Incorporation	TRUE	TRUE
Luke Short	1879-1890	5	Mixed	TRUE	TRUE
Joseph Alfred Slade	1858-1862	3	Other	FALSE	TRUE
John Horton Slaughter	1876-1901	8	Incorporation	TRUE	TRUE
Bill Smith	1901-1902	3	Non-Incorporation	TRUE	FALSE
Jack Smith	1880-1890	2	Non-Incorporation	FALSE	TRUE
Thomas J. Smith	1868-1870	2	Incorporation	TRUE	FALSE
Tom Smith	1891-1893	3	Incorporation	TRUE	TRUE
John Sontag	1892-1892	3	Non-Incorporation	TRUE	FALSE
Juan Soto	1871-1871	2	Non-Incorporation	TRUE	TRUE
A. John Spradley	1871-1893	4	Incorporation	TRUE	FALSE
Ernest St. Leon	1889-1891	2	Incorporation	TRUE	TRUE
Jess Standard	1877-1877	3	Other	FALSE	FALSE
Henry Starr	1892-1921	5	Non-Incorporation	TRUE	TRUE
William Larkin Stiles	1900-1908	3	Mixed	TRUE	TRUE
Frank C. Stilwell	1881-1882	3	Non-Incorporation	TRUE	TRUE

Joe Stinson	1871-1886	5	Other	FALSE	FALSE
Port Stockton	1876-1881	3	Mixed	TRUE	TRUE
Dallas Stoudenmire	1876-1882	8	Incorporation	TRUE	TRUE
Samuel Strawhim	1869-1869	2	Other	FALSE	TRUE
William E. Sutton	1868-1874	7	Incorporation	FALSE	TRUE
Bill Taylor	1873-1874	2	Non-Incorporation	FALSE	TRUE
Hays Taylor	1867-1869	2	Non-Incorporation	FALSE	TRUE
Jim Taylor	1873-1875	5	Non-Incorporation	FALSE	TRUE
Phillip Taylor	1867-1871	4	Non-Incorporation	FALSE	TRUE
Edwin Tewksbury	1887-1892	3	Mixed	TRUE	TRUE
Jim Tewksbury	1887-1887	4	Non-Incorporation	FALSE	TRUE
Henry Andrew Thomas	1878-1896	10	Incorporation	TRUE	TRUE
Ben Thompson	1858-1884	14	Mixed	TRUE	TRUE
William Thompson	1868-1880	3	Non-Incorporation	TRUE	TRUE
William Matthew Tilghman	1874-1924	7	Mixed	TRUE	TRUE
Mike Tovey	1880-1893	2	Incorporation	TRUE	FALSE
William Towerly	1887-1887	2	Non-Incorporation	FALSE	FALSE
Harry Tracy	1898-1902	5	Non-Incorporation	TRUE	TRUE
Tom Tucker	1887-1908	5	Mixed	TRUE	TRUE
Ben Turner	1873-1873	3	Non-Incorporation	FALSE	FALSE
Jesse Tyler	1899-1900	2	Incorporation	TRUE	TRUE
Tiburcio Vasquez	1856-1874	4	Non-Incorporation	TRUE	FALSE
Frederick T. Wait	1878-1878	2	Mixed	TRUE	TRUE
Joe Walker	1895-1897	3	Non-Incorporation	FALSE	TRUE
Jack Watson	1880-1890	3	Mixed	TRUE	TRUE
John Joshua Webb	1880-1881	2	Mixed	TRUE	TRUE
George Weightman	1893-1896	4	Non-Incorporation	TRUE	TRUE
Samuel Wells	1876-1876	2	Non-Incorporation	TRUE	TRUE
Harry Cornwall Wheeler	1904-1907	2	Incorporation	TRUE	FALSE
Chauncey Belden Whitney	1873-1873	1	Incorporation	TRUE	TRUE
William R. Wren	1877-1877	3	Mixed	FALSE	FALSE
Nathaniel Ellsworth Wyatt	1891-1895	8	Non-Incorporation	TRUE	FALSE



James Younger	1868-1876	6	Non-Incorporation	TRUE	TRUE
John Younger	1866-1874	4	Non-Incorporation	TRUE	TRUE
Robert Younger	1872-1876	3	Non-Incorporation	TRUE	TRUE
Thomas Coleman Younger	1861-1876	7	Non-Incorporation	TRUE	TRUE

\*Indicates whether or not gunfighter is a participant of the main component.

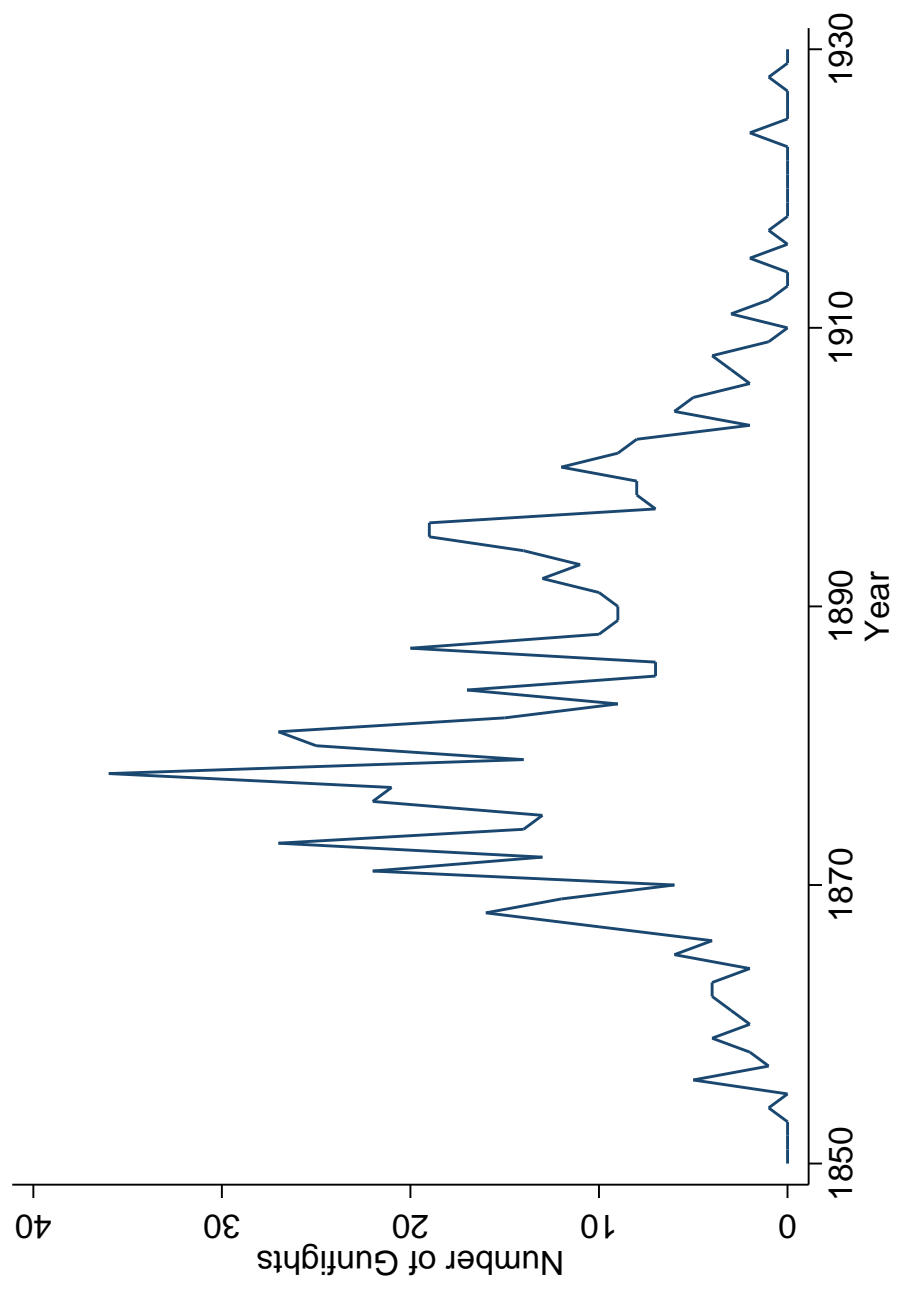
a. This number is disputed by Rick Miller, *Bloody Bill Longley: The Mythology of a Gunfighter* (Denton, TX: University of North Texas Press, 2011).

### Gunfight Locations (1850-1930)\*

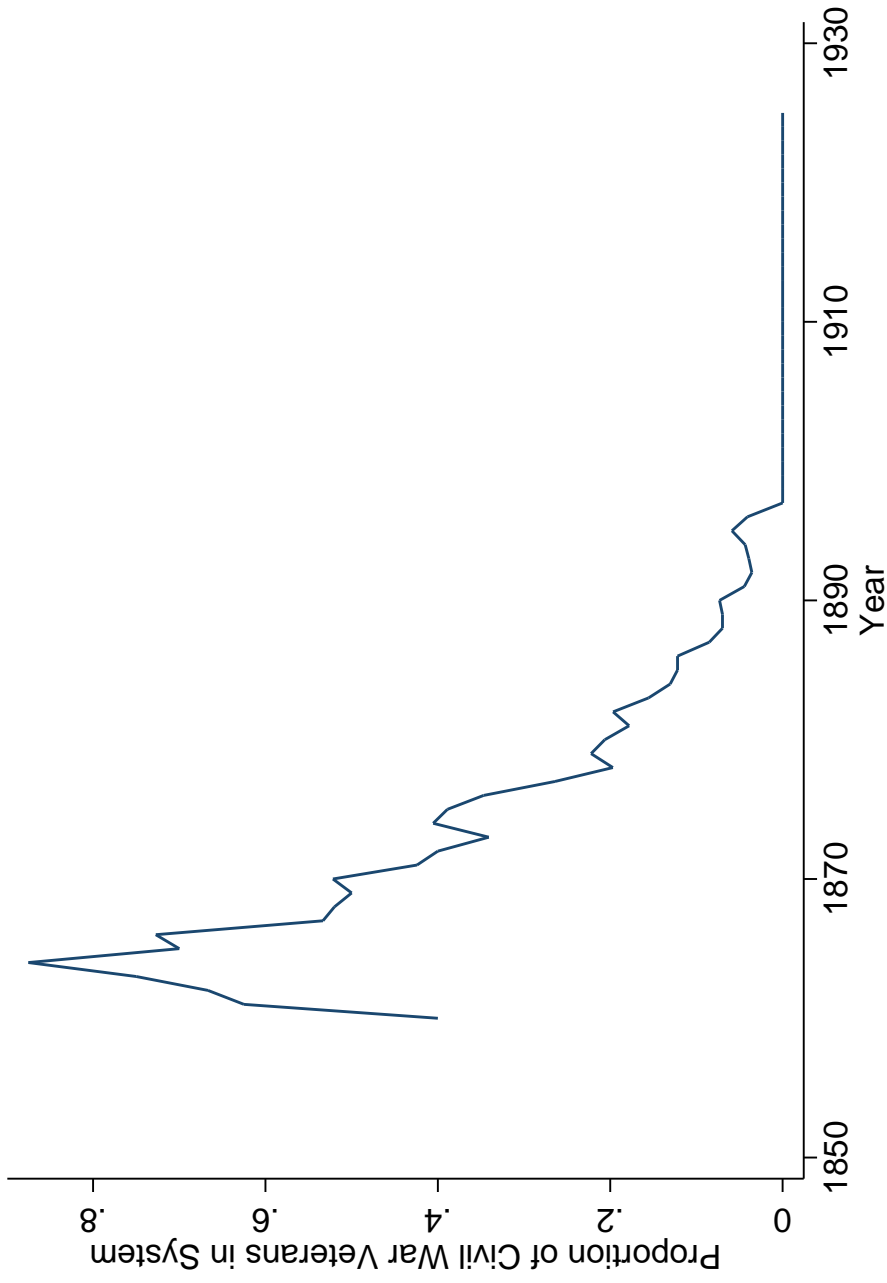
State	Number of Gunfights	Proportion of Total
Texas	165	0.282
New Mexico	81	0.138
Kansas	78	0.133
Arizona	65	0.111
Oklahoma	63	0.108
Colorado	22	0.038
California	19	0.032
Missouri	17	0.029
Wyoming	15	0.026
Utah	10	0.017
Montana	8	0.014
Mexico	6	0.010
Arkansas	5	0.009
Tennessee	4	0.007
Washington	4	0.007
Louisiana	3	0.005
Nebraska	3	0.005
Nevada	3	0.005
Bolivia	2	0.003
Dakota	2	0.003
Minnesota	2	0.003
Alabama	1	0.002
Florida	1	0.002
Georgia	1	0.002
Idaho	1	0.002
Illinois	1	0.002
Iowa	1	0.002
Kentucky	1	0.002
Mississippi	1	0.002
Oregon	1	0.002
<b>Total</b>	<b>586</b>	

\*Data from Bill O'Neal, *Encyclopedia Of Western Gunfighters* (Norman, OK: University of Oklahoma Press, 1979).

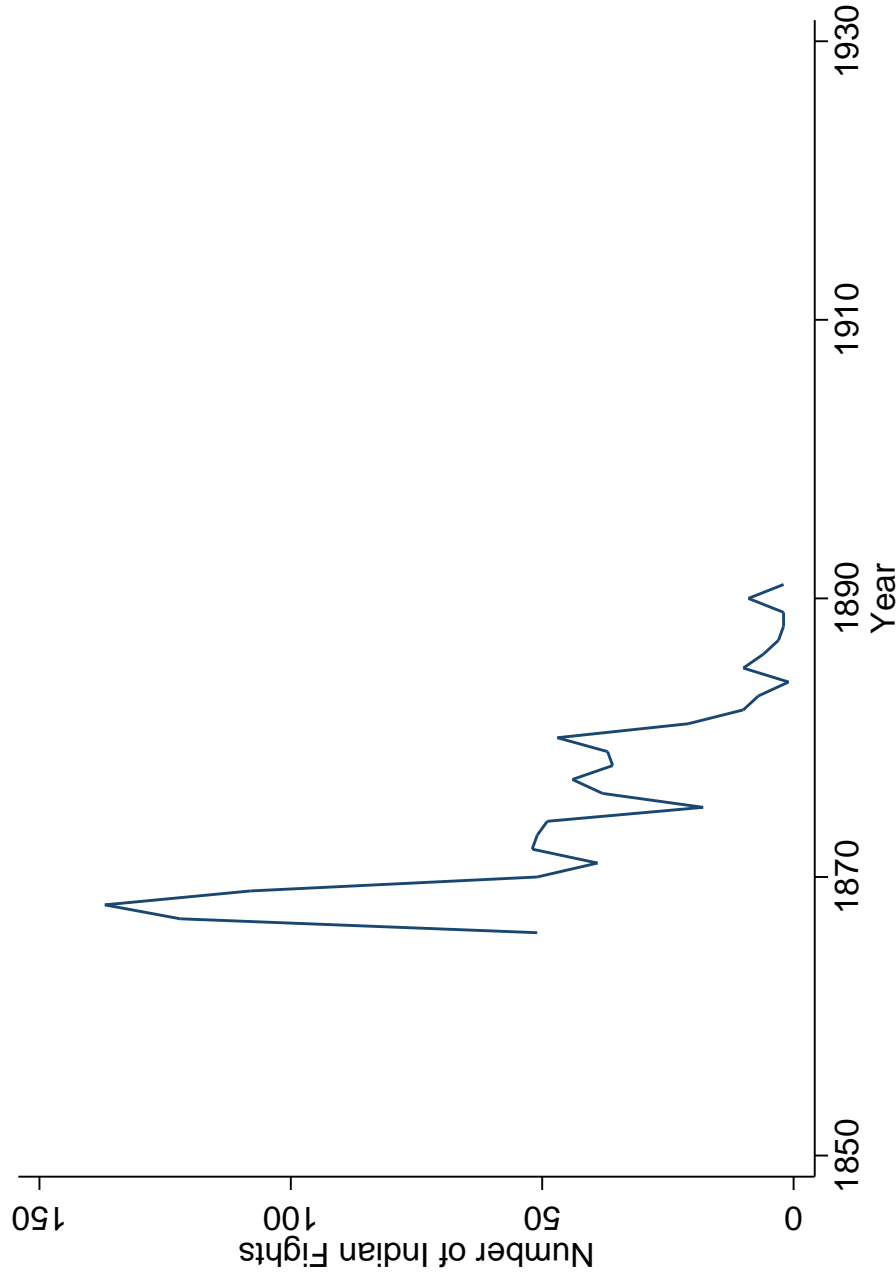
Gunfights per Year



Known Civil War Veterans in Gunfighting System Per Year (1860-1930)

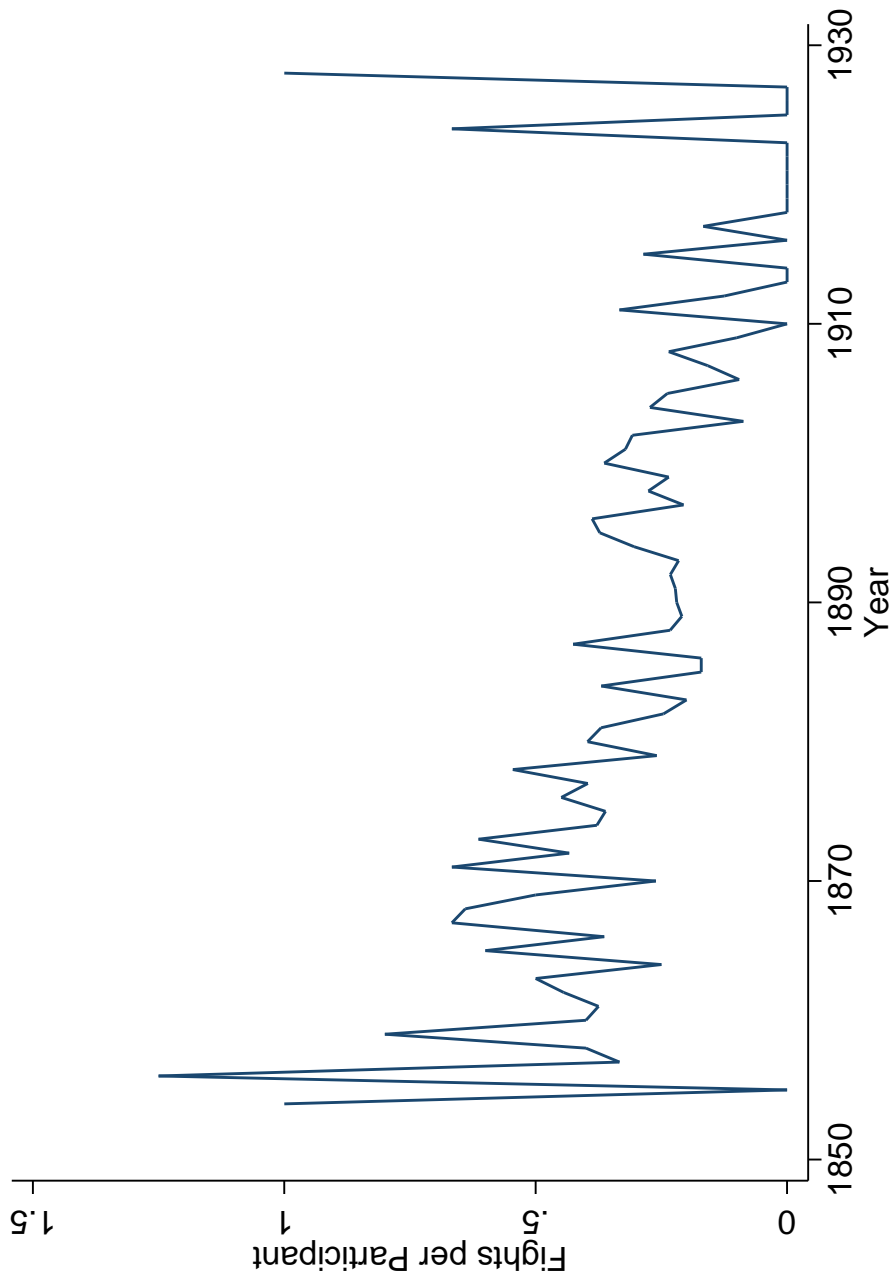


### U.S. Military Battle Campaigns Against Indian Groups (1866-1891)\*

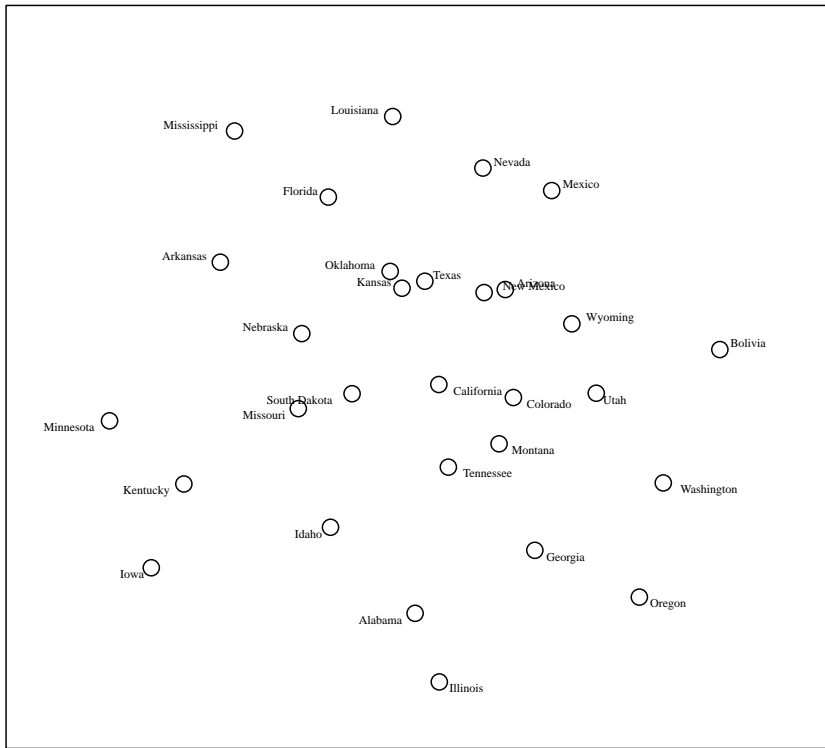


\*Data from Susan B. Carter et al., eds., *Historical Statistics of the United States: Millennial Edition*, vol. 5, Series ED212-222 (Cambridge: Cambridge University Press, 2006), 382-402.

Average Number of Fights Per System Participant



## Interlocational Similarities (Nonmetric MDS)



Stress =.068

# Gunfighter Social Network (1850-1930)\*



\*Main component only (N=196). Names removed for ease of viewing.