

Appendix A. Multi-Season Net Generation Histograms

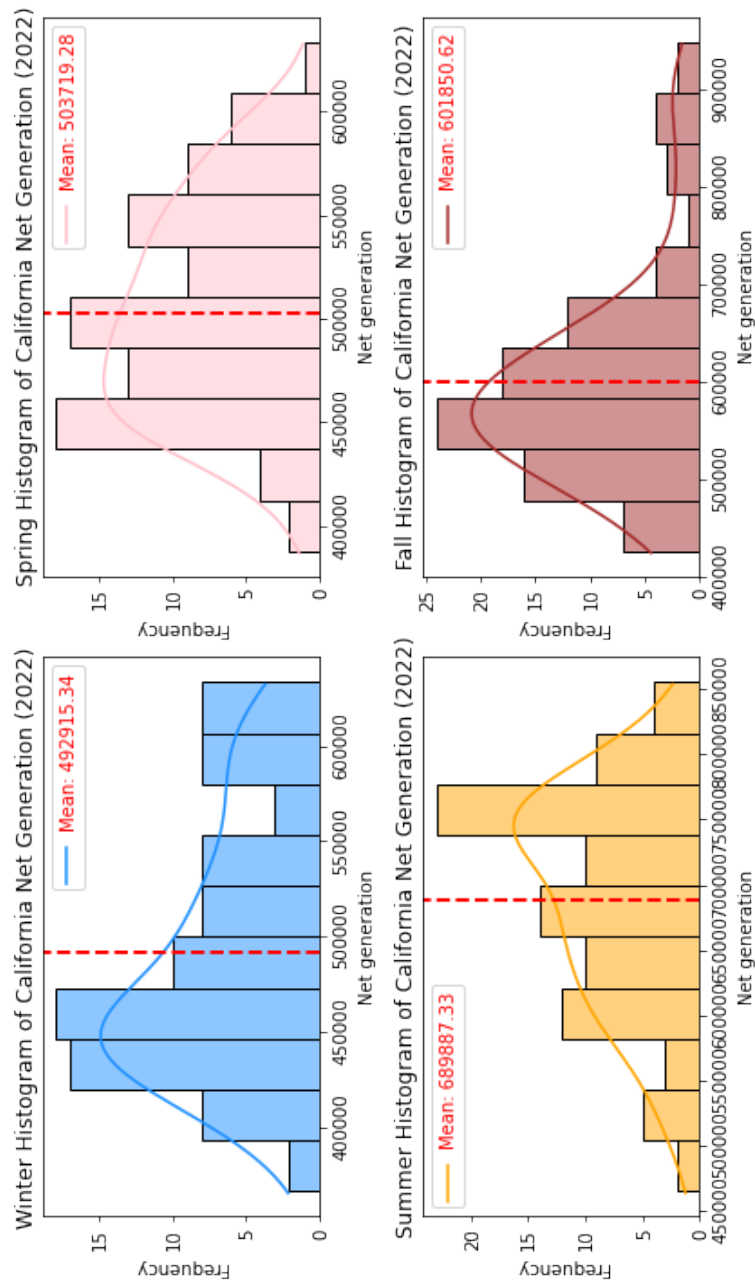


Figure A.16: California Net Generation Multi-Season Histogram

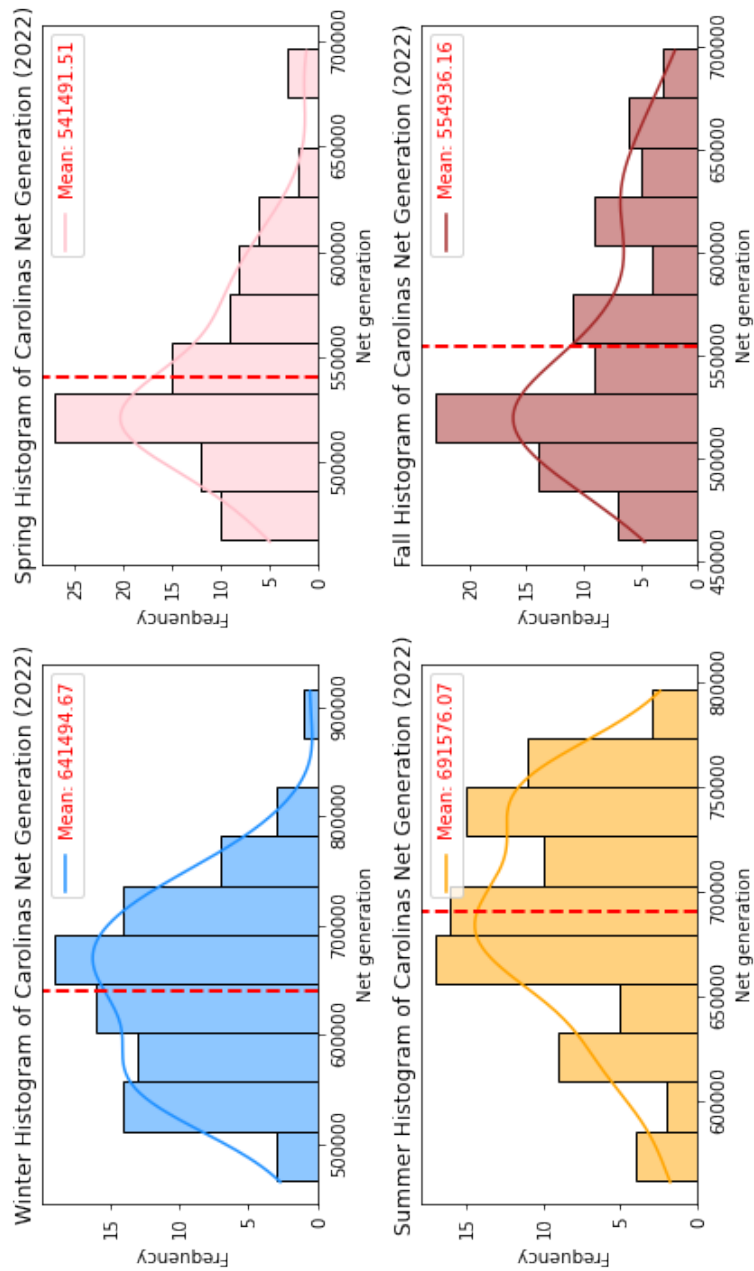


Figure A.17: Carolina Net Generation Multi-Season Histogram

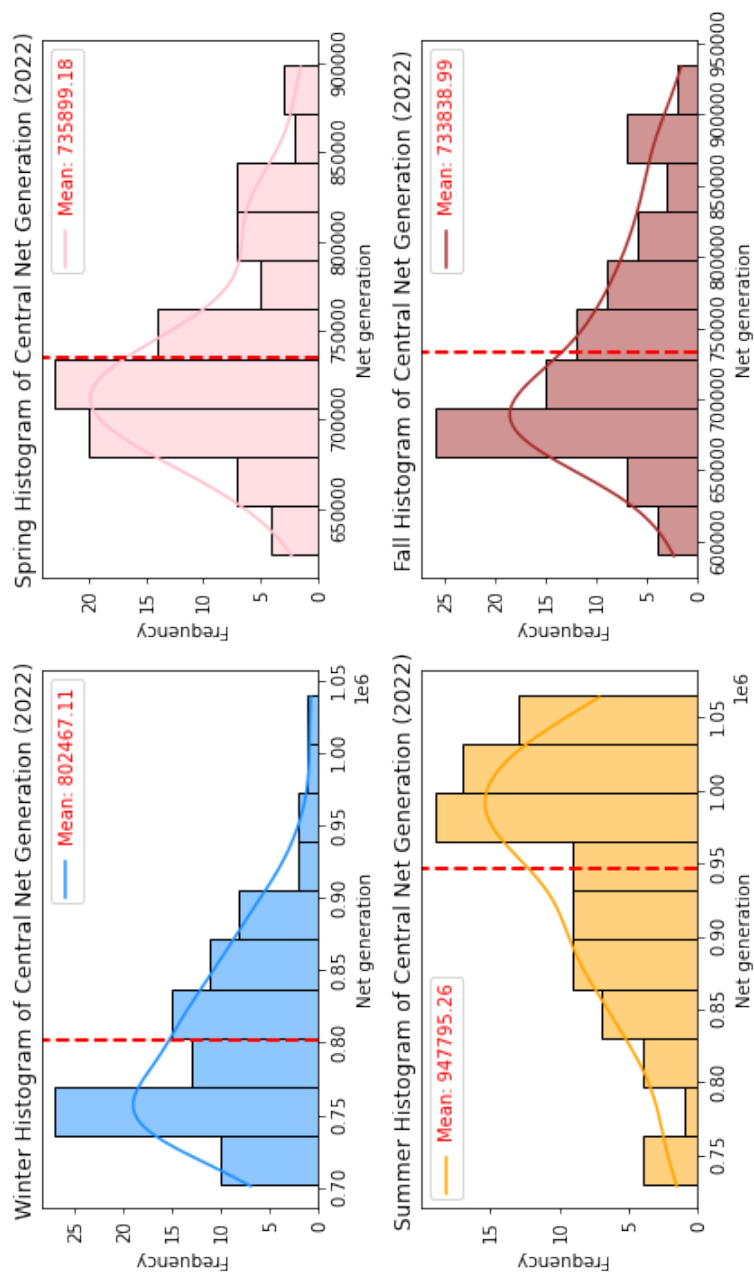


Figure A.18: Central Net Generation Multi-Season Histogram

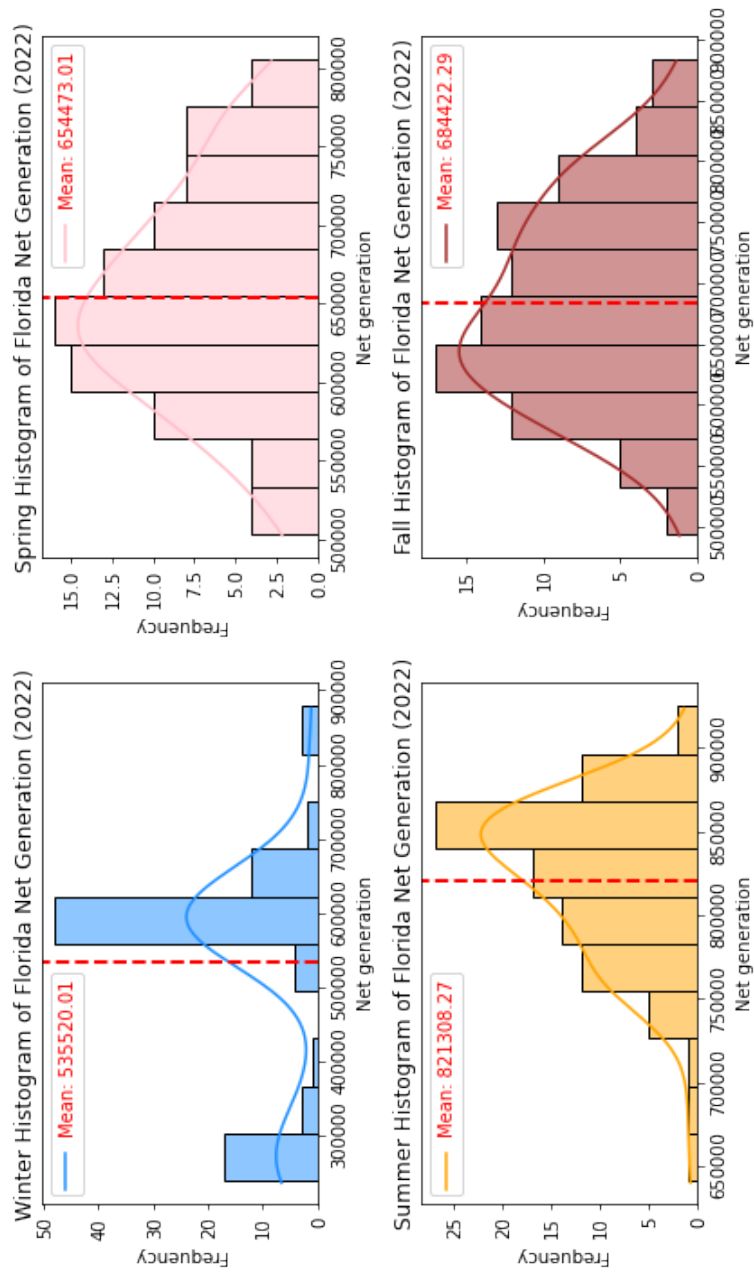


Figure A.19: Florida Net Generation Multi-Season Histogram

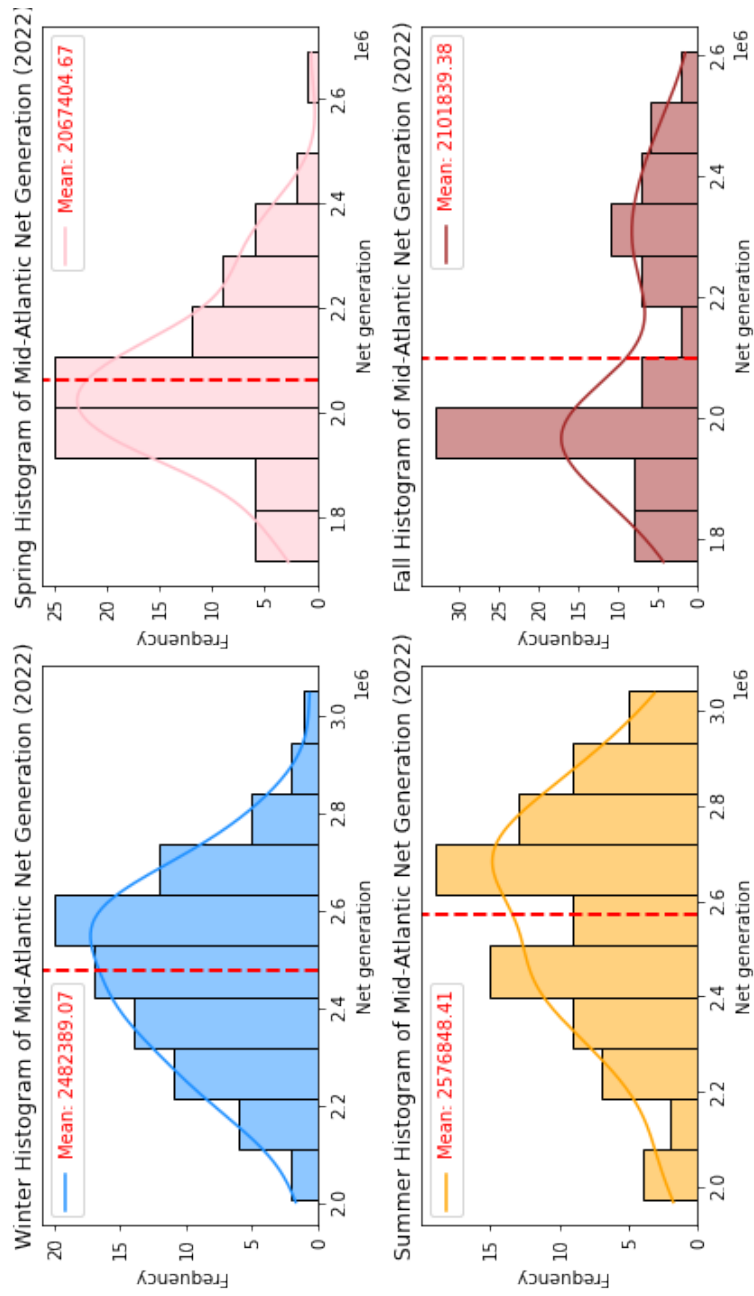


Figure A.20: Mid-Atlantic Net Generation Multi-Season Histogram

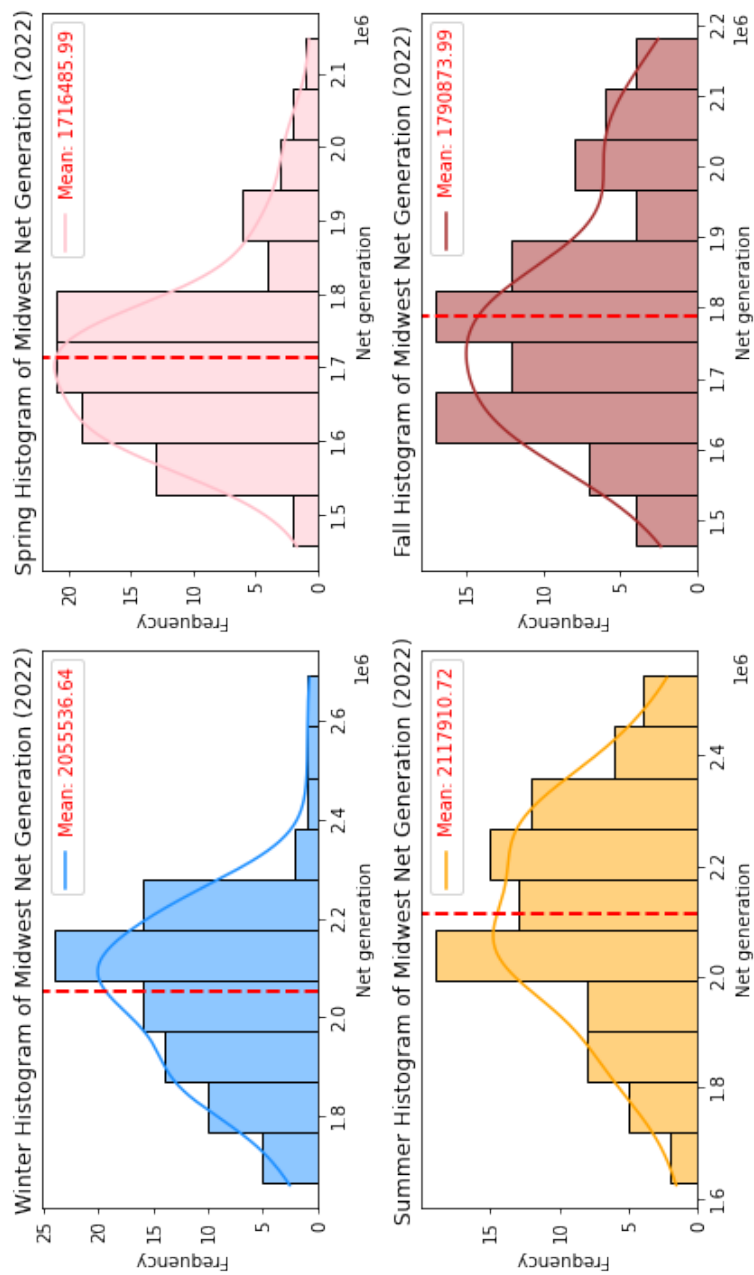


Figure A.21: Midwest Net Generation Multi-Season Histogram

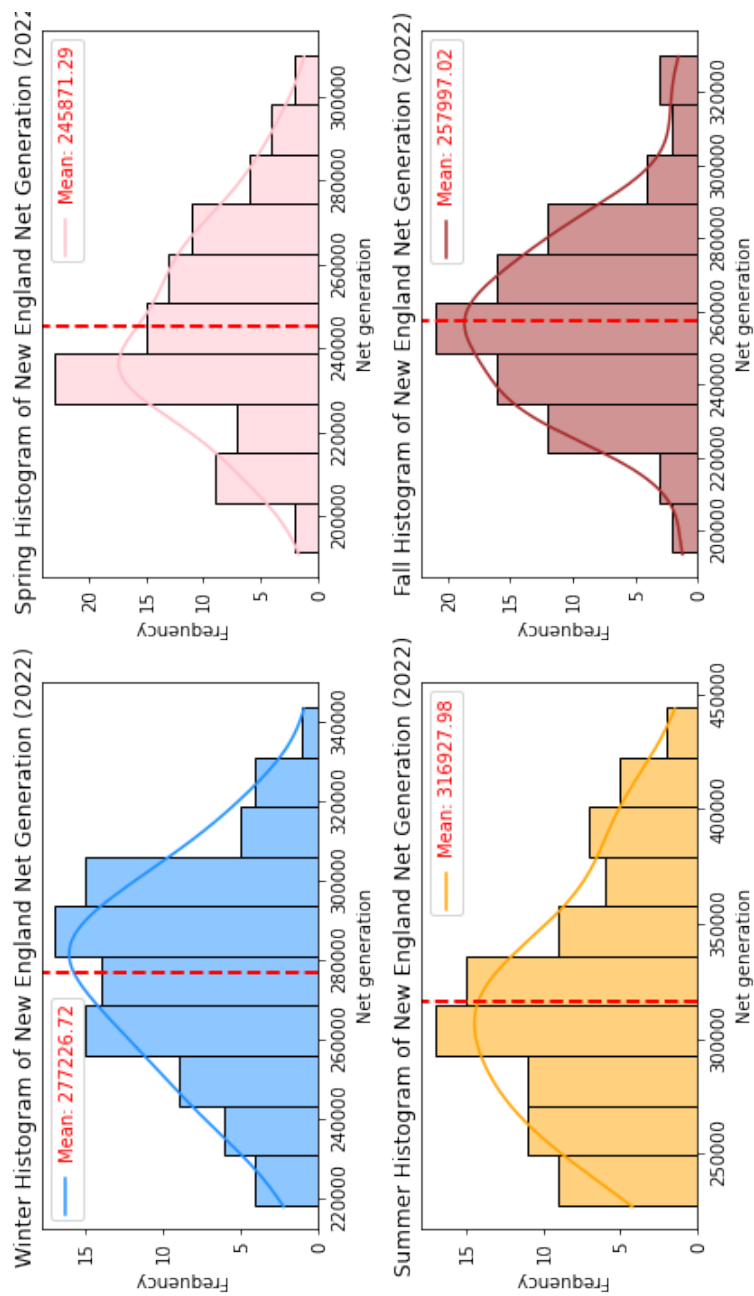


Figure A.22: New England Net Generation Multi-Season Histogram

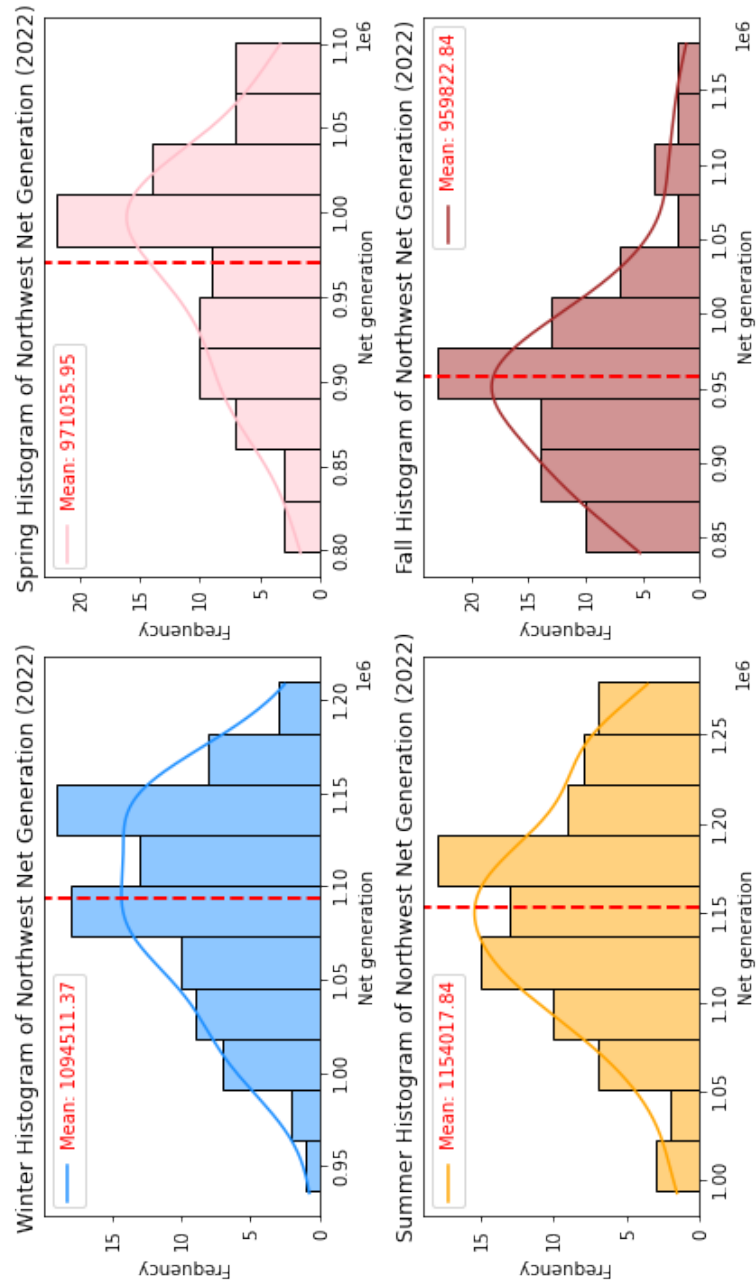


Figure A.23: Northwest Net Generation Multi-Season Histogram

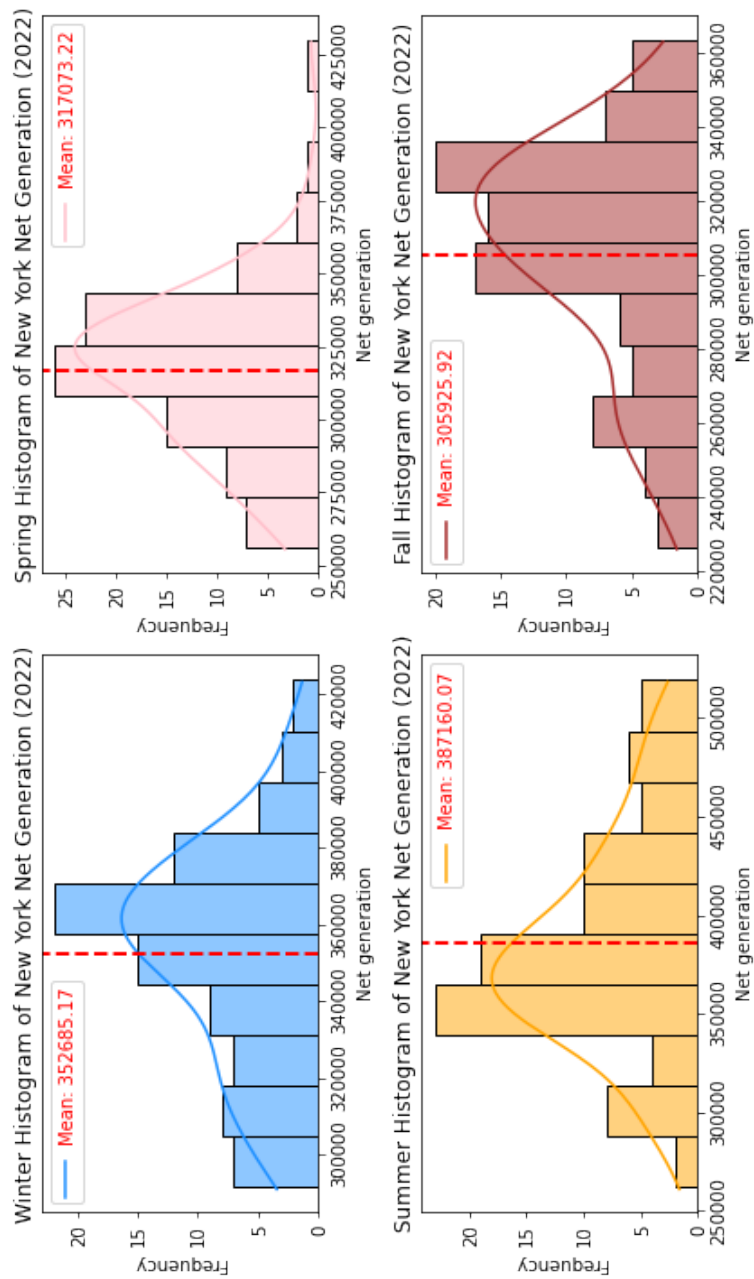


Figure A.24: New York Net Generation Multi-Season Histogram

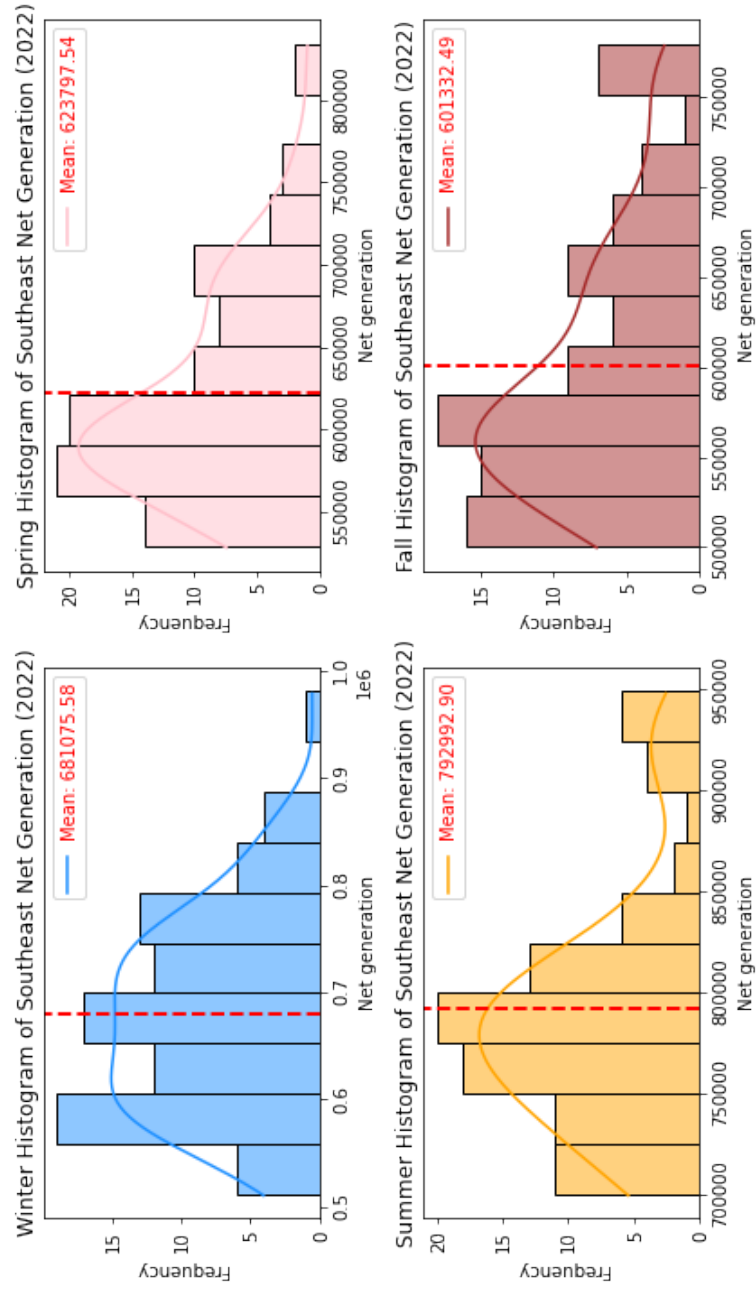


Figure A.25: Southeast Net Generation Multi-Season Histogram

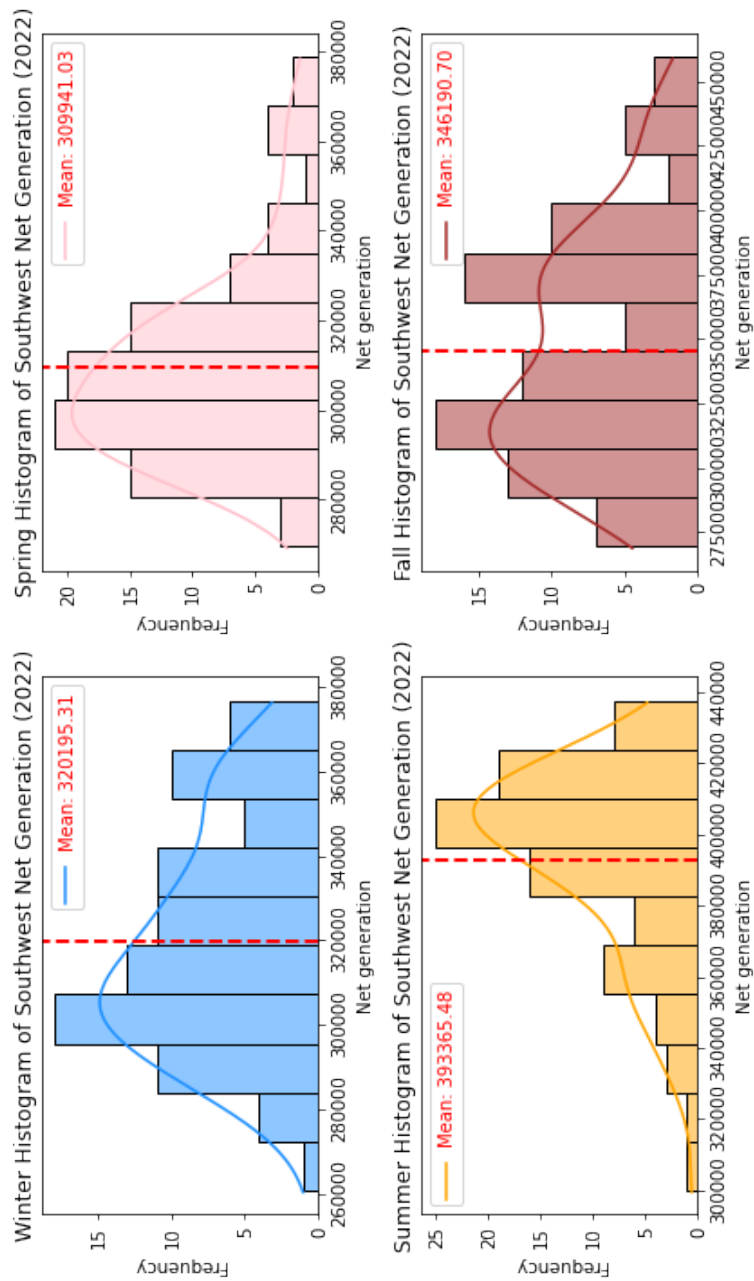


Figure A.26: Southwest Net Generation Multi-Season Histogram

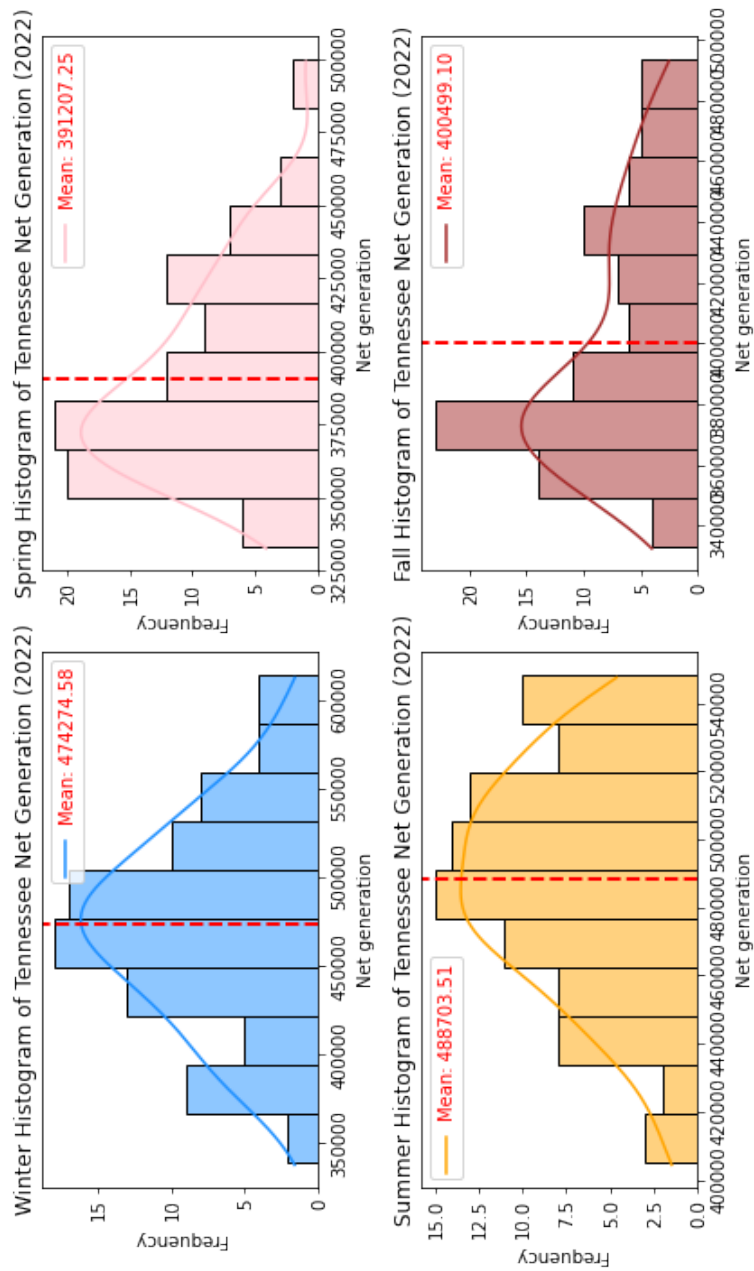


Figure A.27: Tennessee Net Generation Multi-Season Histogram

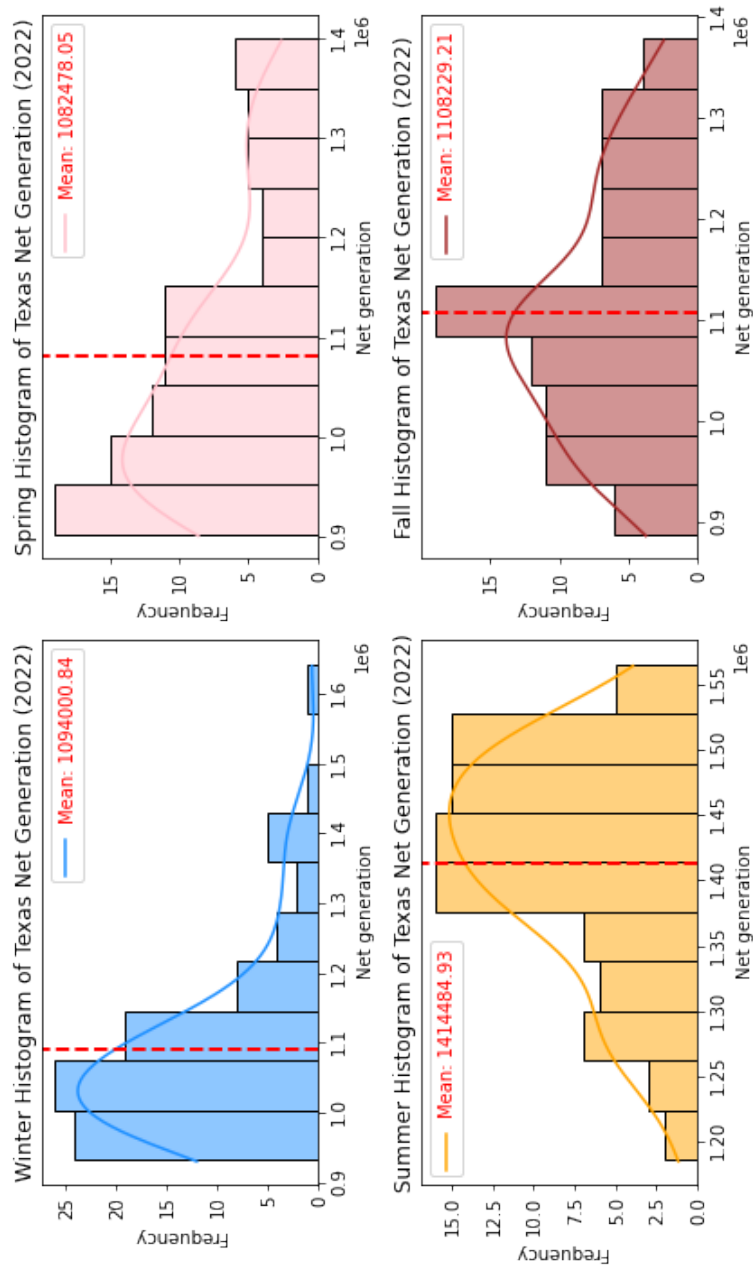


Figure A.28: Texas Net Generation Multi-Season Histogram

Appendix B. Multi-Season Demand Histograms

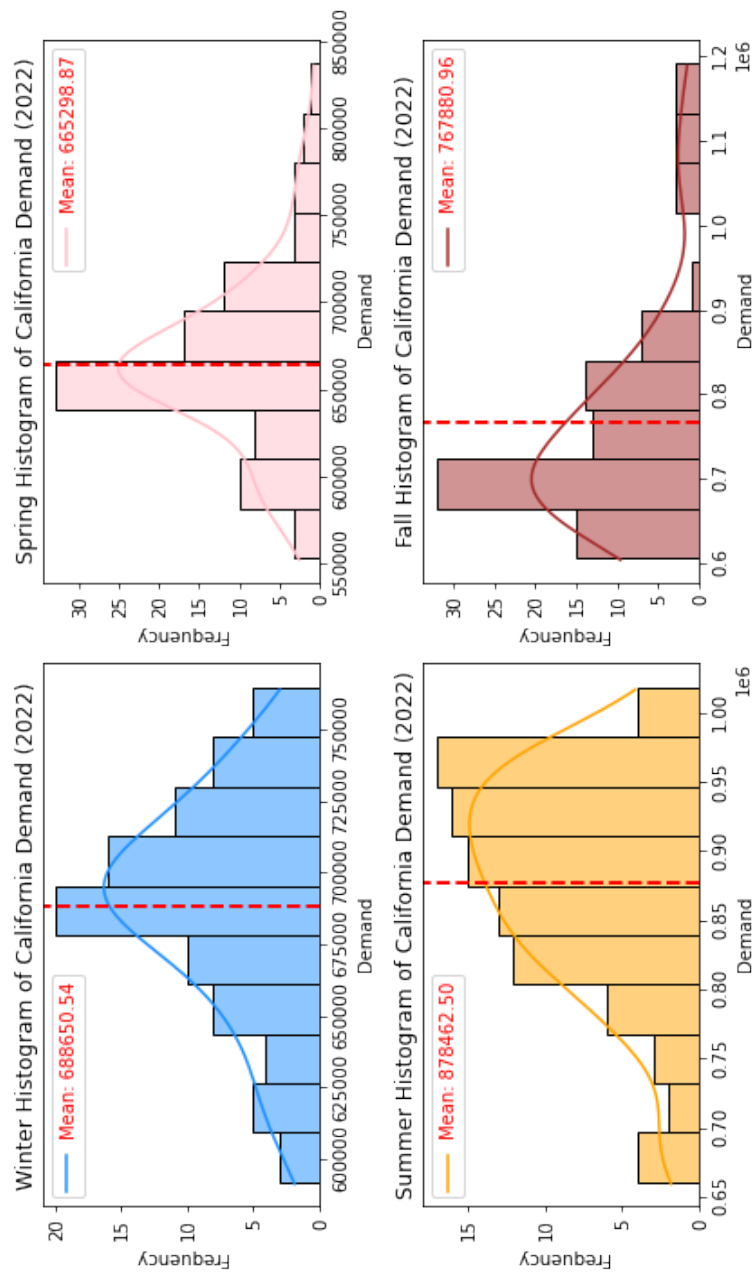


Figure B.29: California Demand Multi-Season Histogram

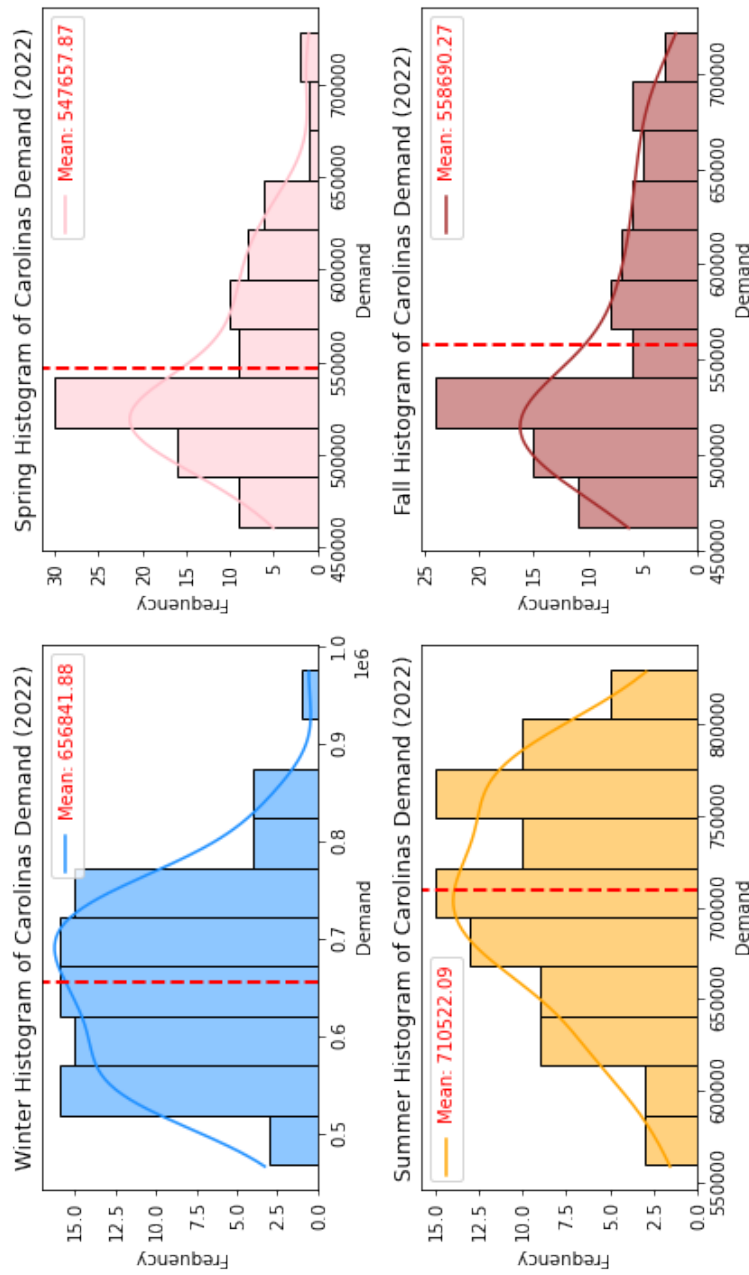


Figure B.30: Carolina Demand Multi-Season Histogram

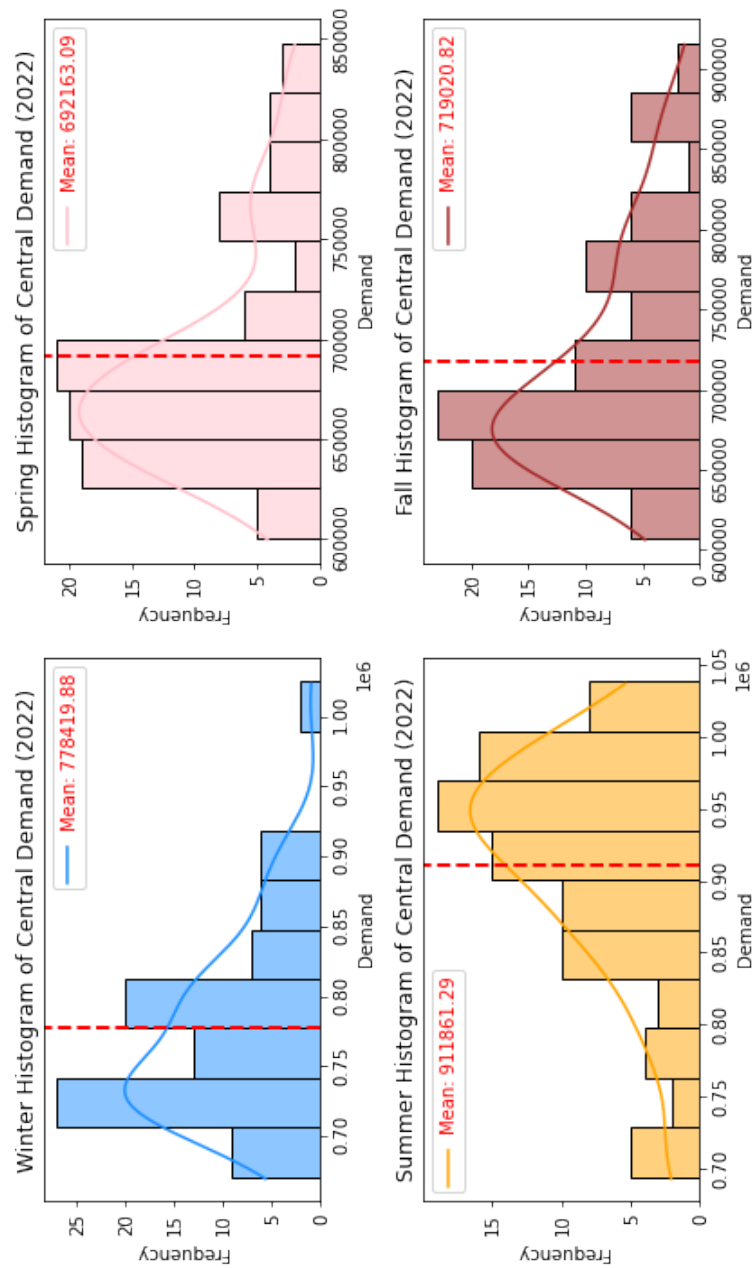


Figure B.31: Central Demand Multi-Season Histogram

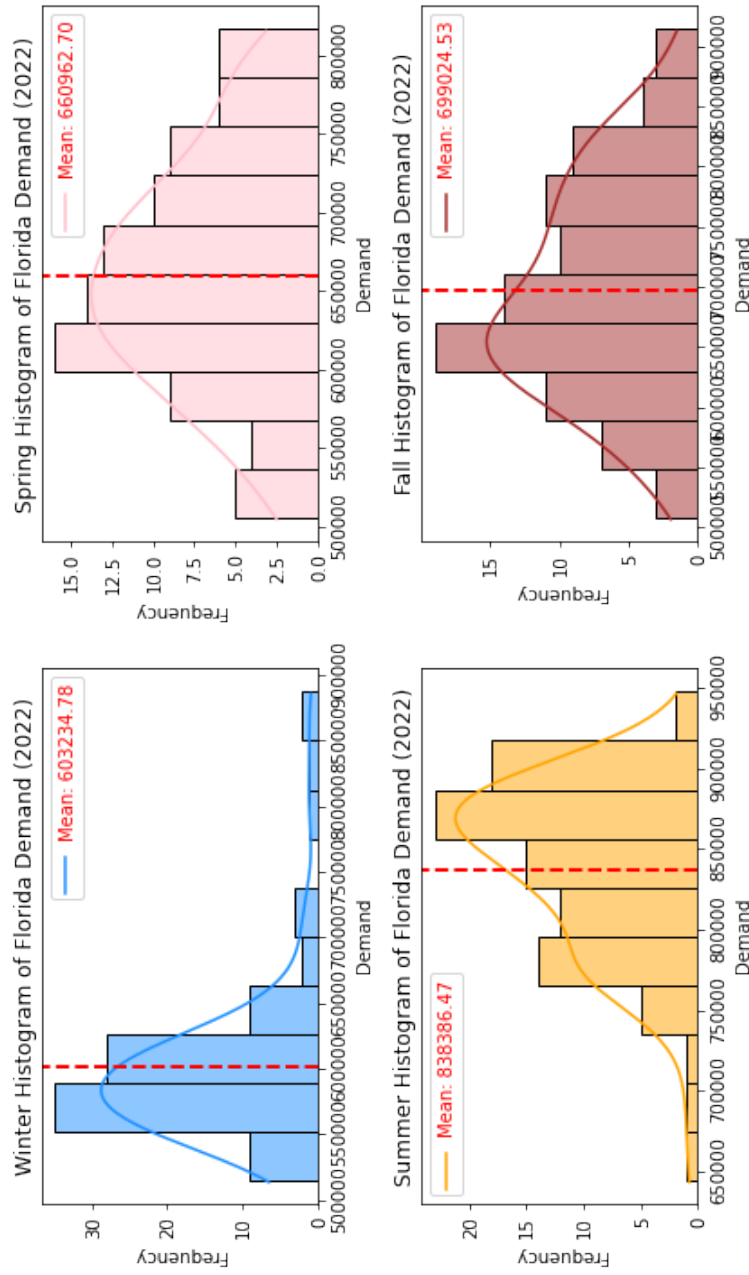


Figure B.32: Florida Demand Multi-Season Histogram

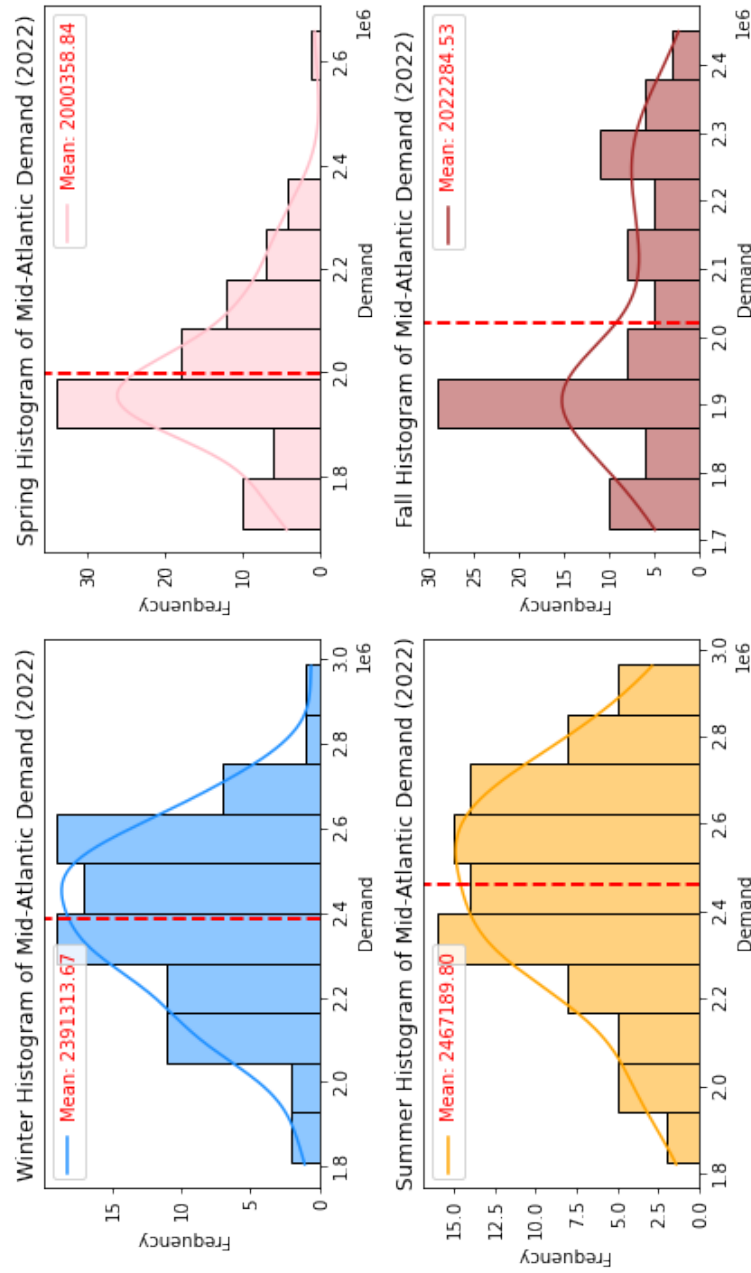


Figure B.33: Mid-Atlantic Demand Multi-Season Histogram

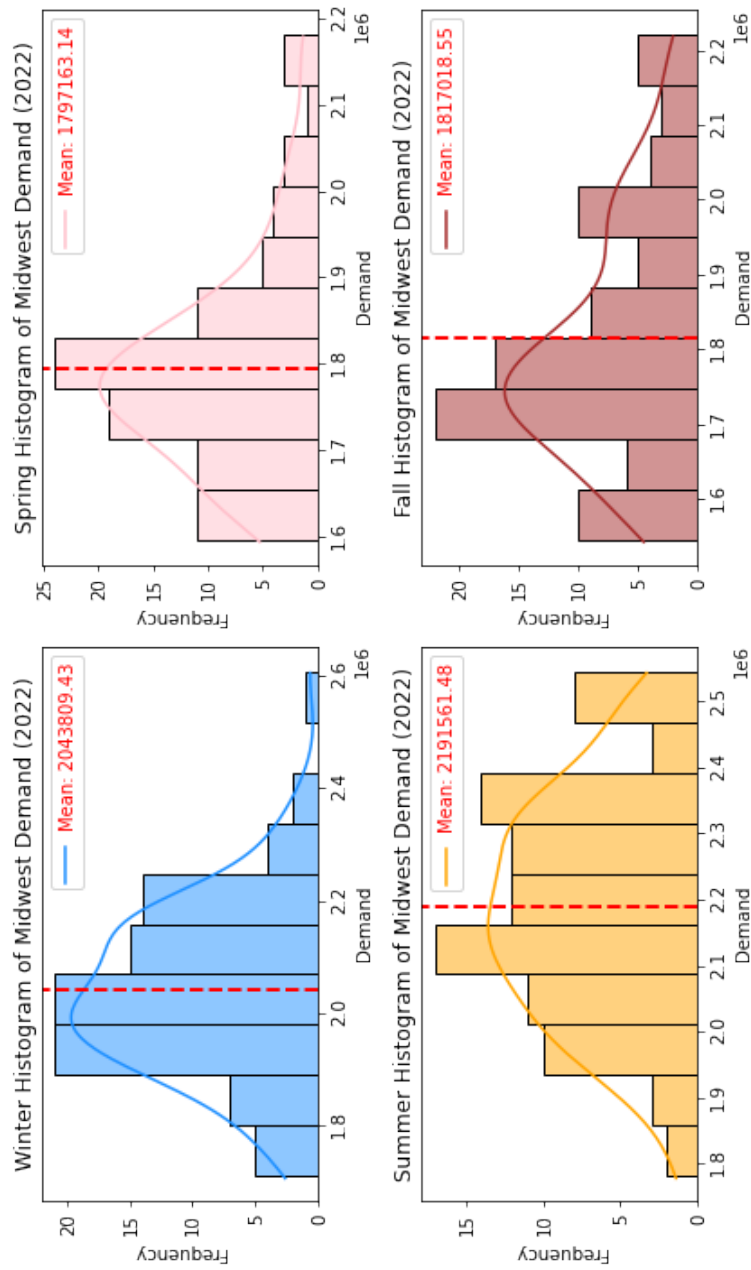


Figure B.34: Midwest Demand Multi-Season Histogram

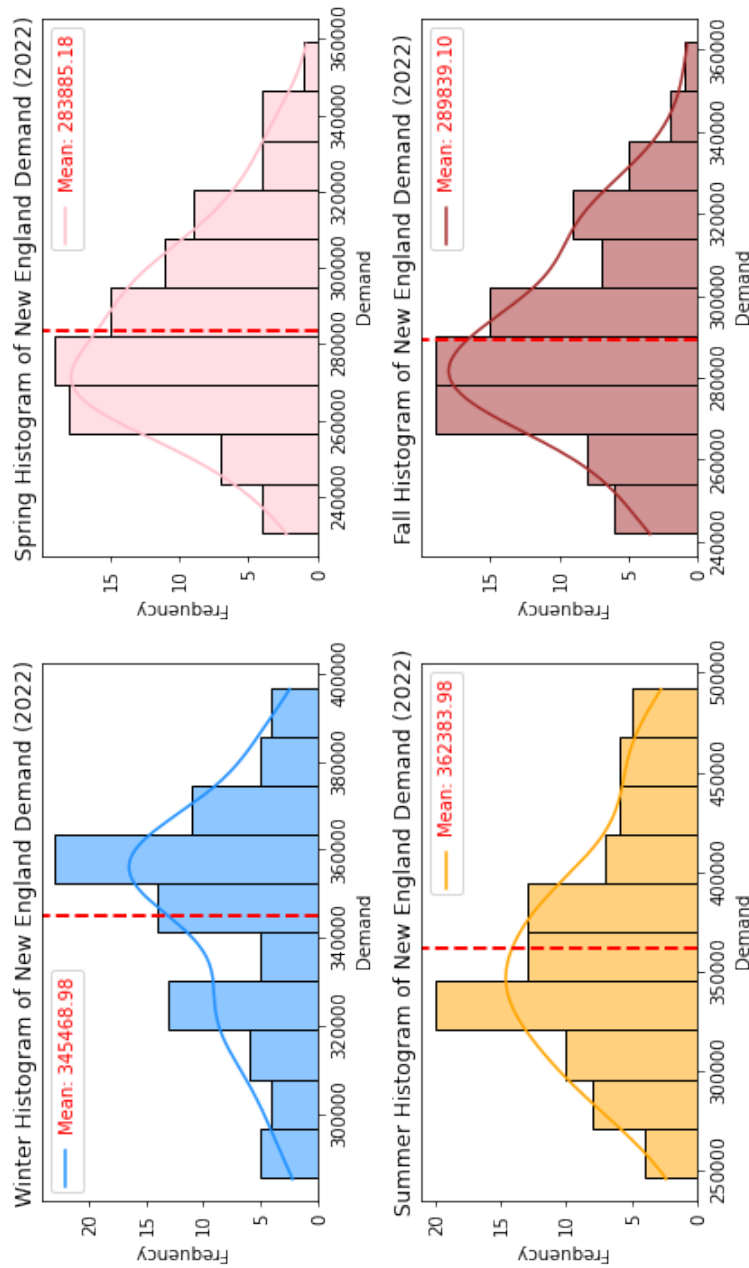


Figure B.35: New England Demand Multi-Season Histogram

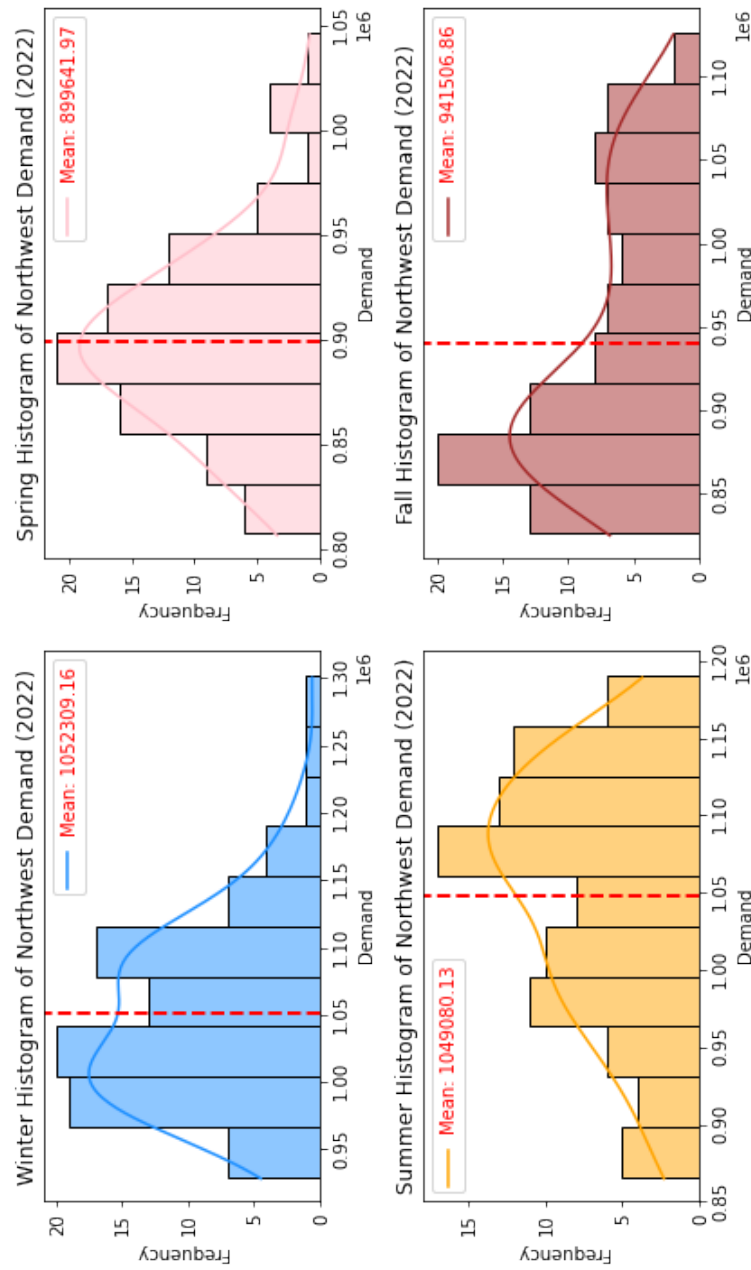


Figure B.36: Northwest Demand Multi-Season Histogram

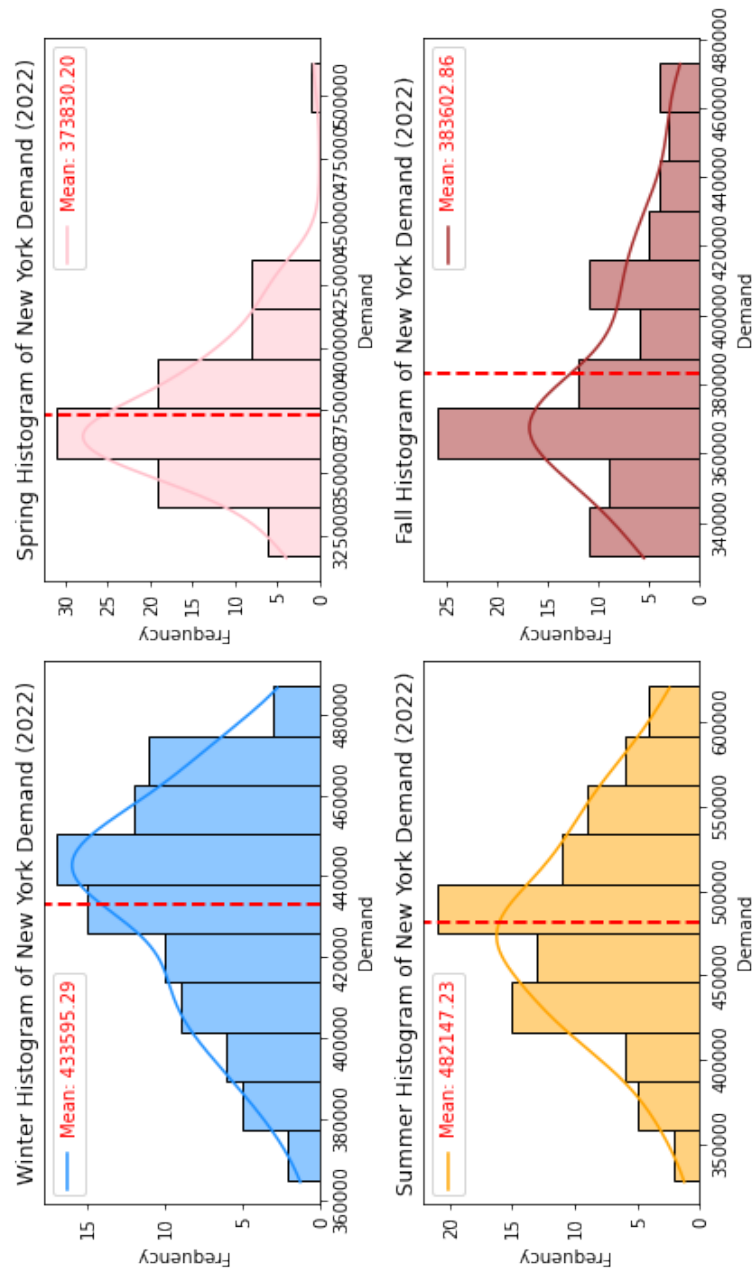


Figure B.37: New York Demand Multi-Season Histogram

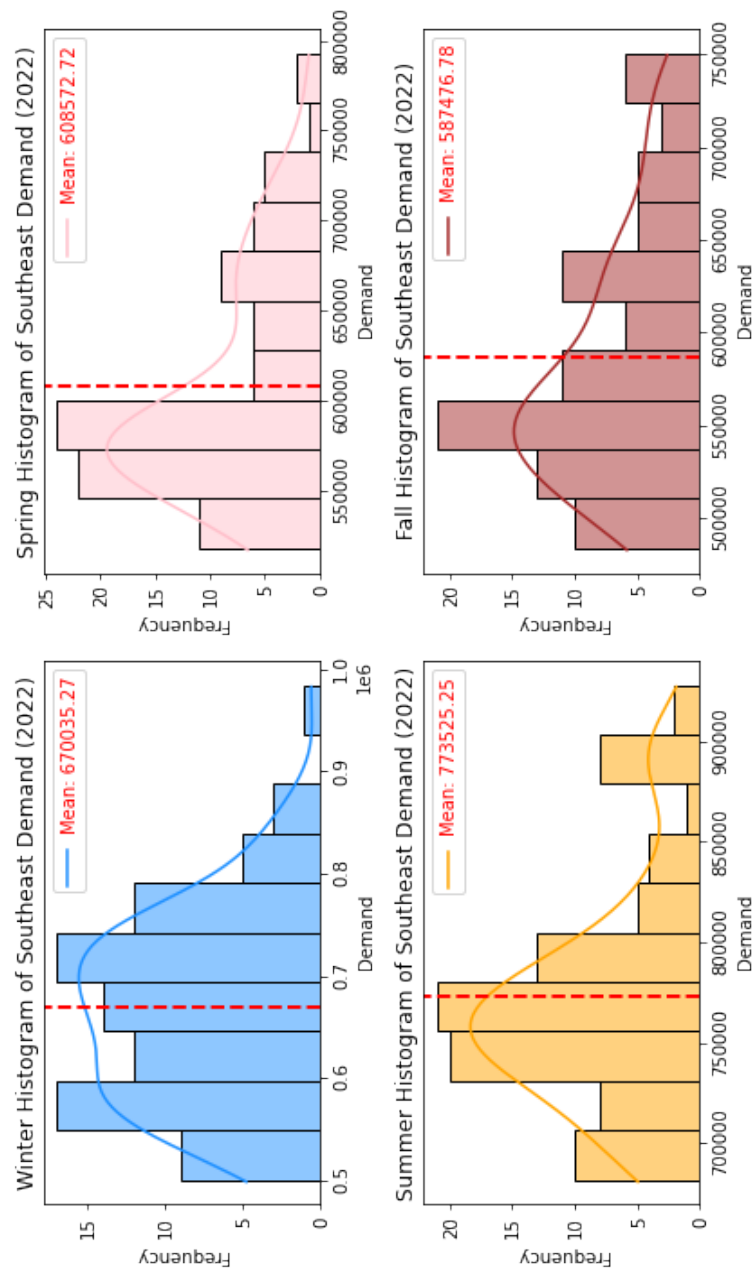


Figure B.38: Southeast Demand Multi-Season Histogram

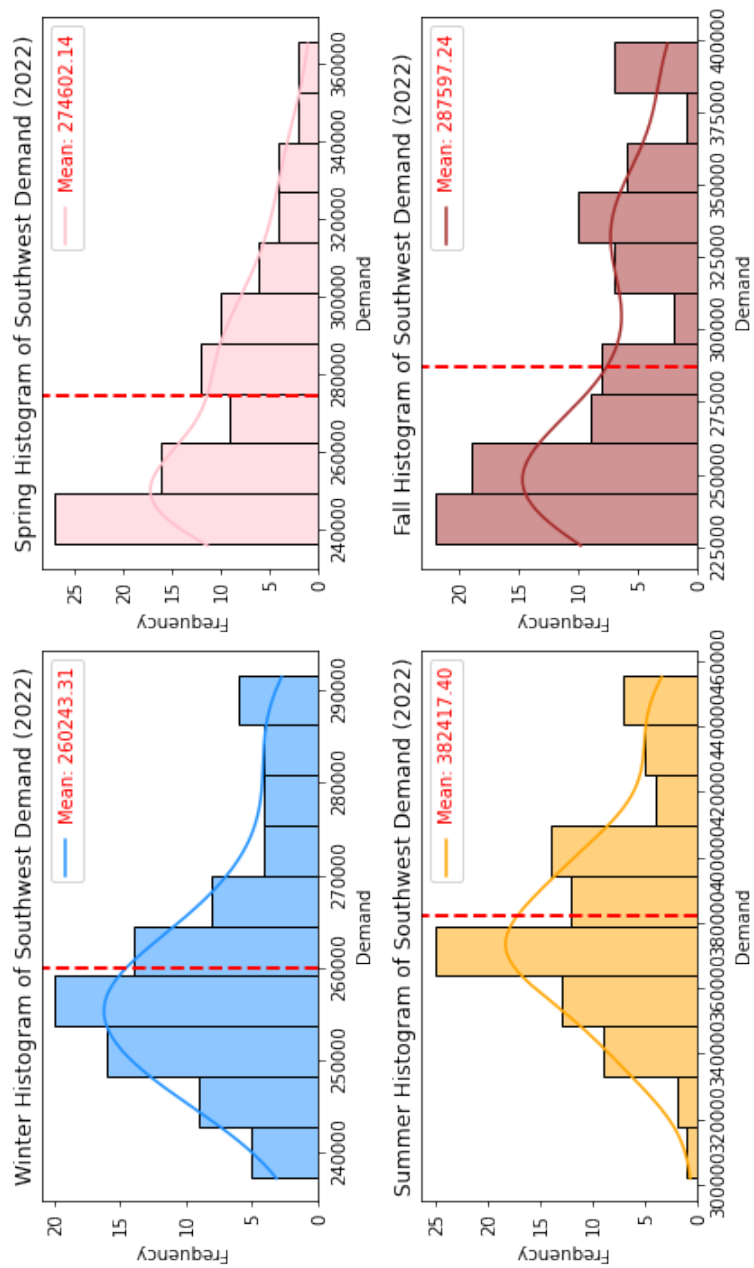


Figure B.39: Southwest Demand Multi-Season Histogram

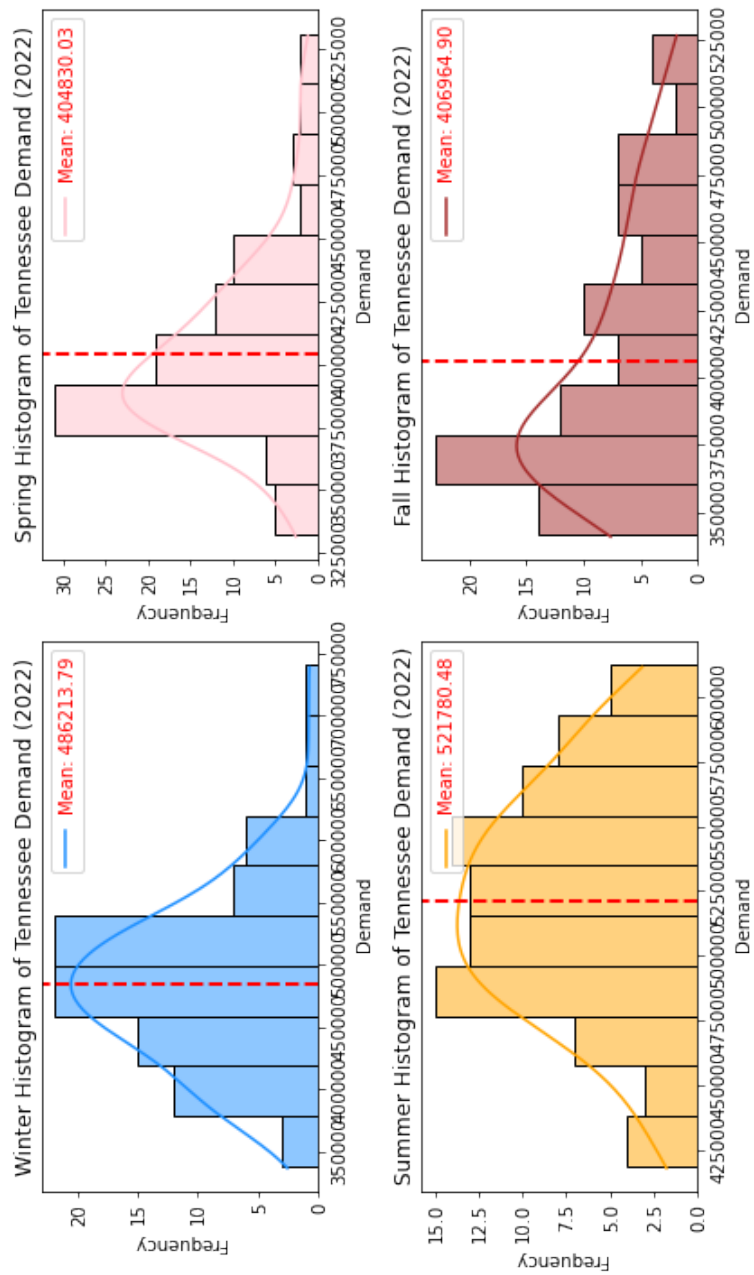


Figure B.40: Tennessee Demand Multi-Season Histogram

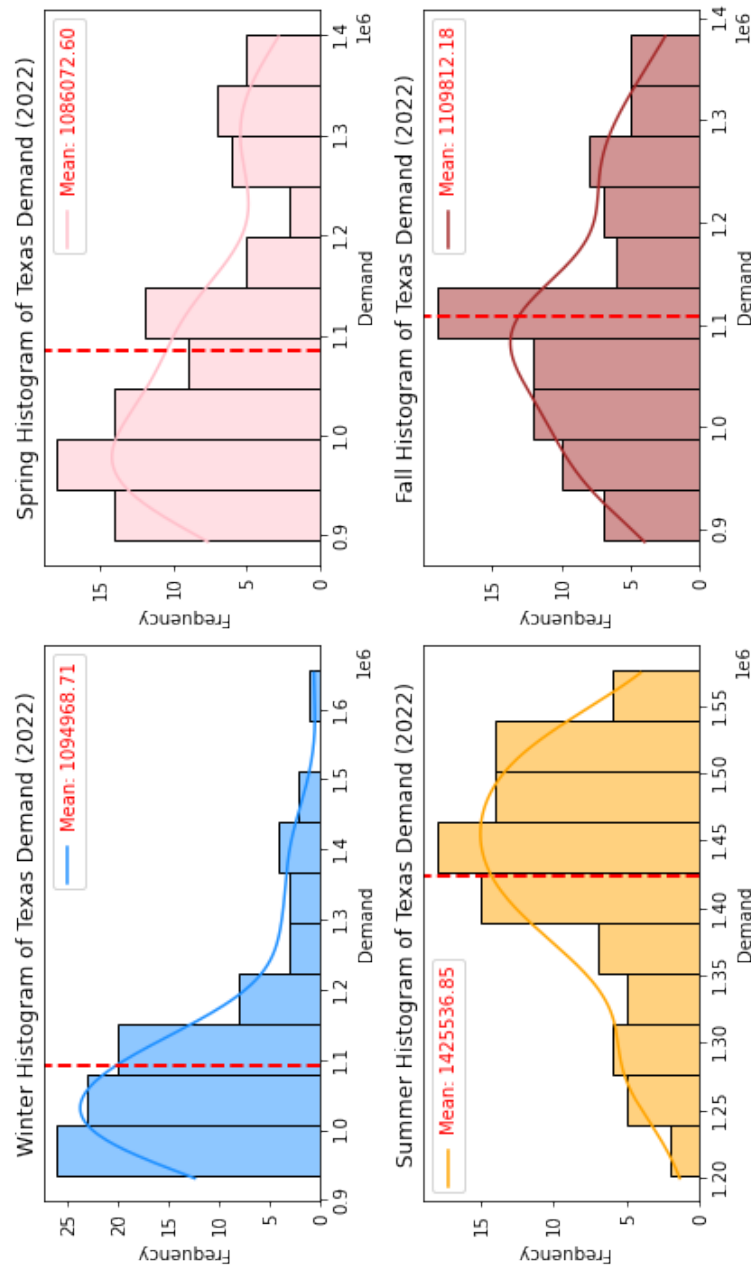


Figure B.41: Texas Demand Multi-Season Histogram

Appendix C. Seasonal Graphs

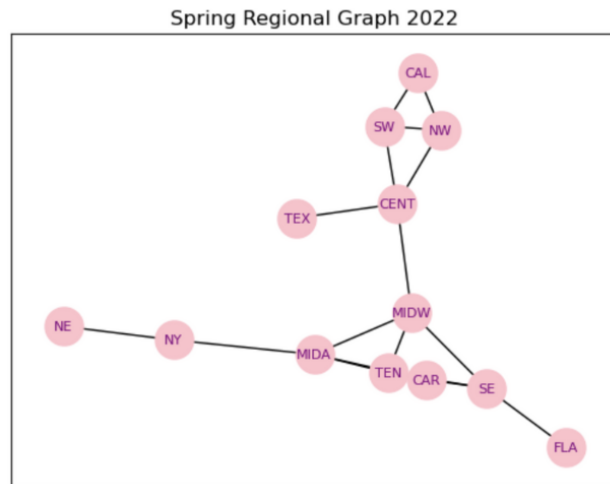


Figure C.42: Spring Regional Network Graph

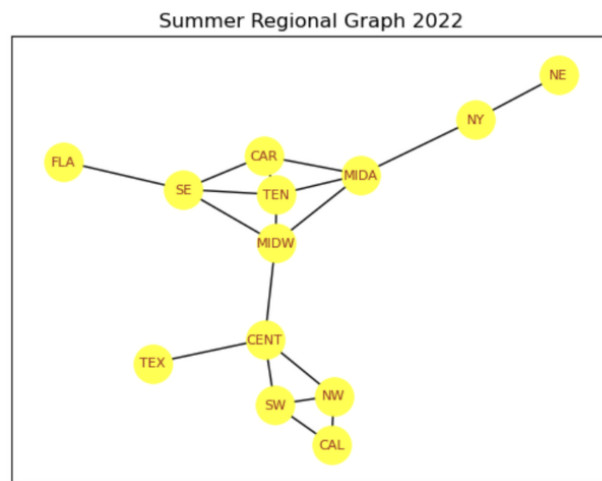


Figure C.43: Summer Regional Network Graph

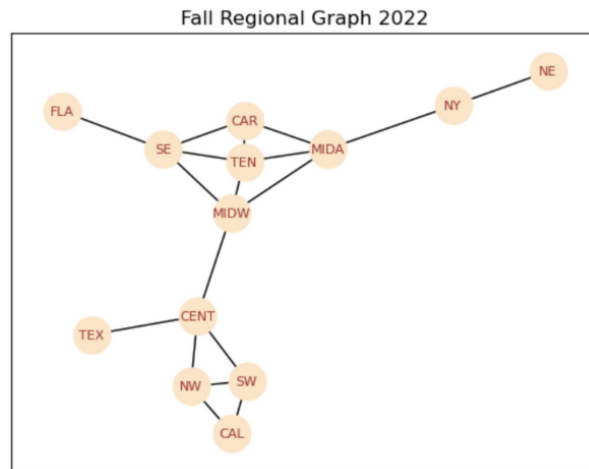


Figure C.44: Fall Regional Network Graph

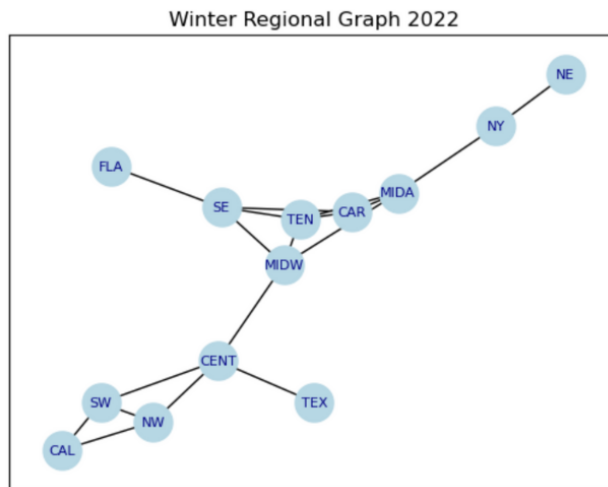


Figure C.45: Winter Regional Network Graph

Appendix D. Seasonal Distribution Parameters

Table D.3: Winter Distribution Results

Region	Distribution	Parameters	Values
CAL	Normal	Mean	688650.54
		Standard Deviation	38921.5
CAR	Normal	Mean	656841.88
		Standard Deviation	96252.26
CENT	Gamma	Shape (γ)	2.95
		Location (loc)	659714.51
		Scale (scale)	40291.34
FLA	Log-Normal	Shape (s)	0.48
		Location (loc)	489723.28
		Scale (scale)	100637.17
MIDA	Normal	Mean	2391313.67
		Standard Deviation	210481.02
MIDW	Chi2	Degrees of Freedom (df)	738.40
		Location (loc)	915042.98
		Scale (scale)	4007.10
NE	Normal	Mean	345468.98
		Standard Deviation	25616.11
NW	Rayleigh	Location (loc)	920271.01
		Scale (scale)	105750.72
NY	Normal	Mean	433595.29
		Standard Deviation	26973.23
SE	Rayleigh	Location (loc)	487820.17
		Scale (scale)	145142.52
SW	Log-Normal	Shape (s)	0.31
		Location (loc)	219060.20
		Scale (scale)	39212.45
TEN	Log-Normal	Shape (s)	0.17
		Location (loc)	76756.41
		Scale (scale)	403579.32
TEX	Log-Normal	Shape (s)	0.67
		Location (loc)	898612.38
		Scale (scale)	157380.57

Table D.4: Spring Distribution Results

Region	Distribution	Parameters	Values
CAL	Cauchy	Location (loc)	662657.76
		Scale (scale)	21149.32
CAR	Log-Normal	Shape (s)	0.42
		Location (loc)	420711.01
		Scale (scale)	116335.29
CENT	Log-Normal	Shape (s)	0.47
		Location (loc)	571428.68
		Scale (scale)	108046.39
FLA	Log-Normal	Shape (s)	0.05
		Location (loc)	740472.43
		Scale (scale)	1399447.14
MIDA	Cauchy	Location (loc)	1968392.71
		Scale (scale)	74190.19
MIDW	Log-Normal	Shape (s)	0.34
		Location (loc)	1448864.50
		Scale (scale)	328418.27
NE	Gamma	Shape (γ)	11.29
		Location (loc)	196580.96
		Scale (scale)	7732.28
NW	Chi2	Degrees of Freedom (df)	136.90
		Location (loc)	518604.09
		Scale (scale)	2783.13
NY	Log-Normal	Shape (s)	0.24
		Location (loc)	252391.96
		Scale (scale)	118065.82
SE	Log-Normal	Shape (s)	0.51
		Location (loc)	484600.08
		Scale (scale)	109063.35
SW	Gamma	Shape (γ)	1.20
		Location (loc)	235928.24
		Scale (scale)	32194.11
TEN	Log-Normal	Shape (s)	0.29
		Location (loc)	280099.94
		Scale (scale)	119433.60
TEX	Exponential Power	Shape (b)	0.97
		Location (loc)	895478
		Scale (scale)	327556.24

Table D.5: Summer Distribution Results

Region	Distribution	Parameters	Values
CAL	Normal	Mean	878462.50
		Standard Deviation	81924.79
CAR	Normal	Mean	710522.09
		Standard Deviation	61512.19
CENT	Powerlaw	Exponent (α)	1.99
		Location (loc)	661600.94
		Scale (scale)	376285.06
FLA	Chi2	Degrees of Freedom (df)	513.93
		Location (loc)	77352.38
		Scale (scale)	1784.64
MIDA	Normal	Mean	2467189.80
		Standard Deviation	251373.19
MIDW	Normal	Mean	2191561.48
		Standard Deviation	175042.18
NE	Gamma	Shape (γ)	10.93
		Location (loc)	167866.75
		Scale (scale)	17803.44
NW	Powerlaw	Exponent (α)	1.35
		Location (loc)	862371.08
		Scale (scale)	328099.93
NY	Log-Normal	Shape (s)	0.03
		Location (loc)	1913682.63
		Scale (scale)	2395013.25
SE	Log-Normal	Shape (s)	0.36
		Location (loc)	616169.48
		Scale (scale)	147533.95
SW	Log-Normal	Shape (s)	0.14
		Location (loc)	156997.36
		Scale (scale)	223136.93
TEN	Gamma	Shape (γ)	2090.89
		Location (loc)	1521303.90
		Scale (scale)	977.12
TEX	Normal	Mean	1425536.85
		Standard Deviation	86623.89

Table D.6: Fall Distribution Results

Location	Distribution	Parameters	Values
CAL	Log-Normal	Shape (s)	0.67
		Location (loc)	576297.85
		Scale (scale)	153614.92
CAR	Log-Normal	Shape (s)	0.57
		Location (loc)	436273.40
		Scale (scale)	104763.42
CENT	Log-Normal	Shape (s)	0.45
		Location (loc)	559543.53
		Scale (scale)	144284.69
FLA	Gamma	Shape (a)	21.57
		Location (loc)	278972.59
		Scale (scale)	19477.49
MIDA	Gamma	Shape (a)	2.92
		Location (loc)	1667456.10
		Scale (scale)	121584.82
MIDW	Gamma	Shape (γ)	3.62
		Location (loc)	1491596.45
		Scale (scale)	89784.66
NE	Gamma	Shape (γ)	18.19
		Location (loc)	185078.28
		Scale (scale)	5759.46
NW	Exponential Power	Shape (b)	0.98
		Location (loc)	825920.00
		Scale (scale)	191499.34
NY	Gamma	Shape (γ)	3.02
		Location (loc)	320087.94
		Scale (scale)	21059.03
SE	Gamma	Shape (γ)	2.24
		Location (loc)	475226.09
		Scale (scale)	50073.55
SW	Exponential	Location (loc)	226088.00
		Scale (scale)	61509.24
TEN	Gamma	Shape (γ)	1.59
		Location (loc)	340177.82
		Scale (scale)	42021.89
TEX	Rayleigh	Location (loc)	871021.07
		Scale (scale)	190419.80