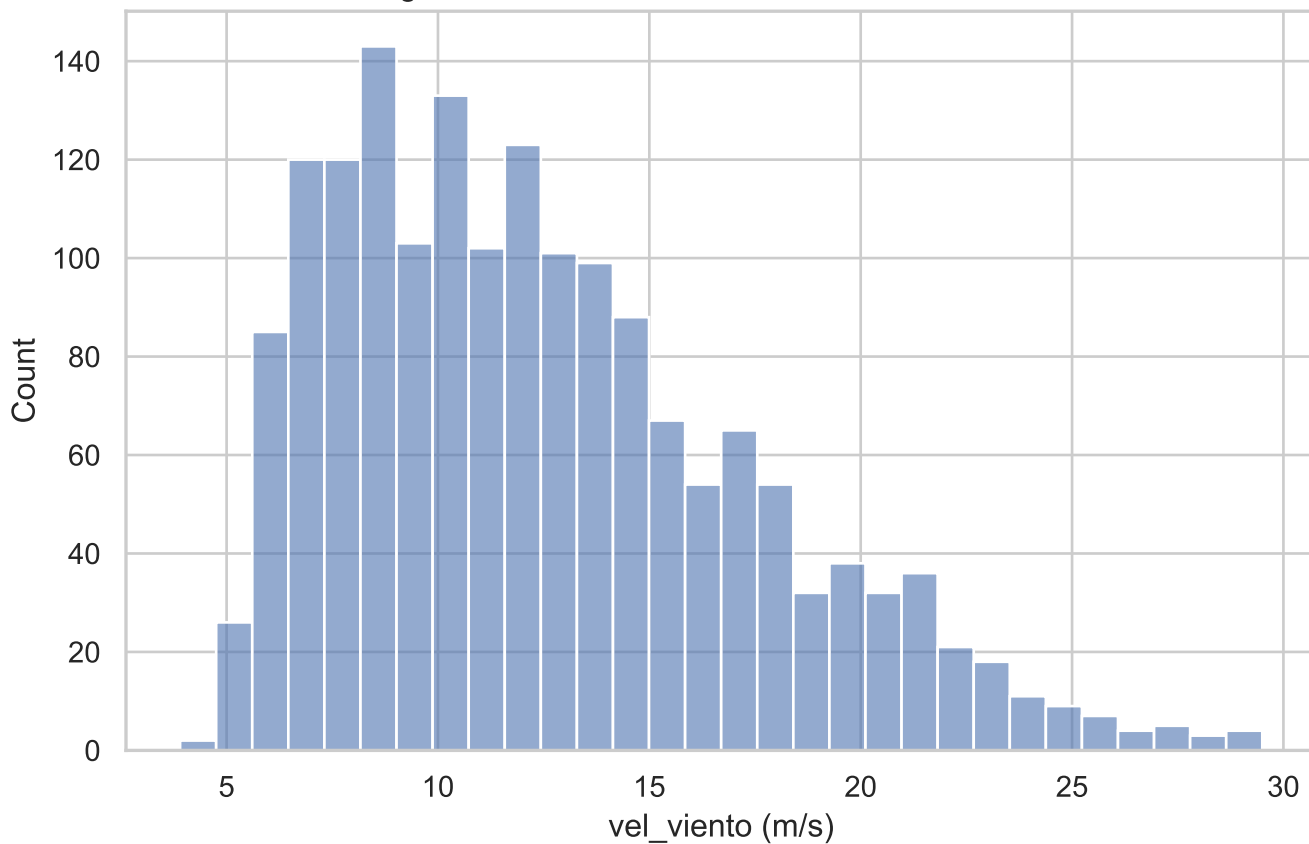
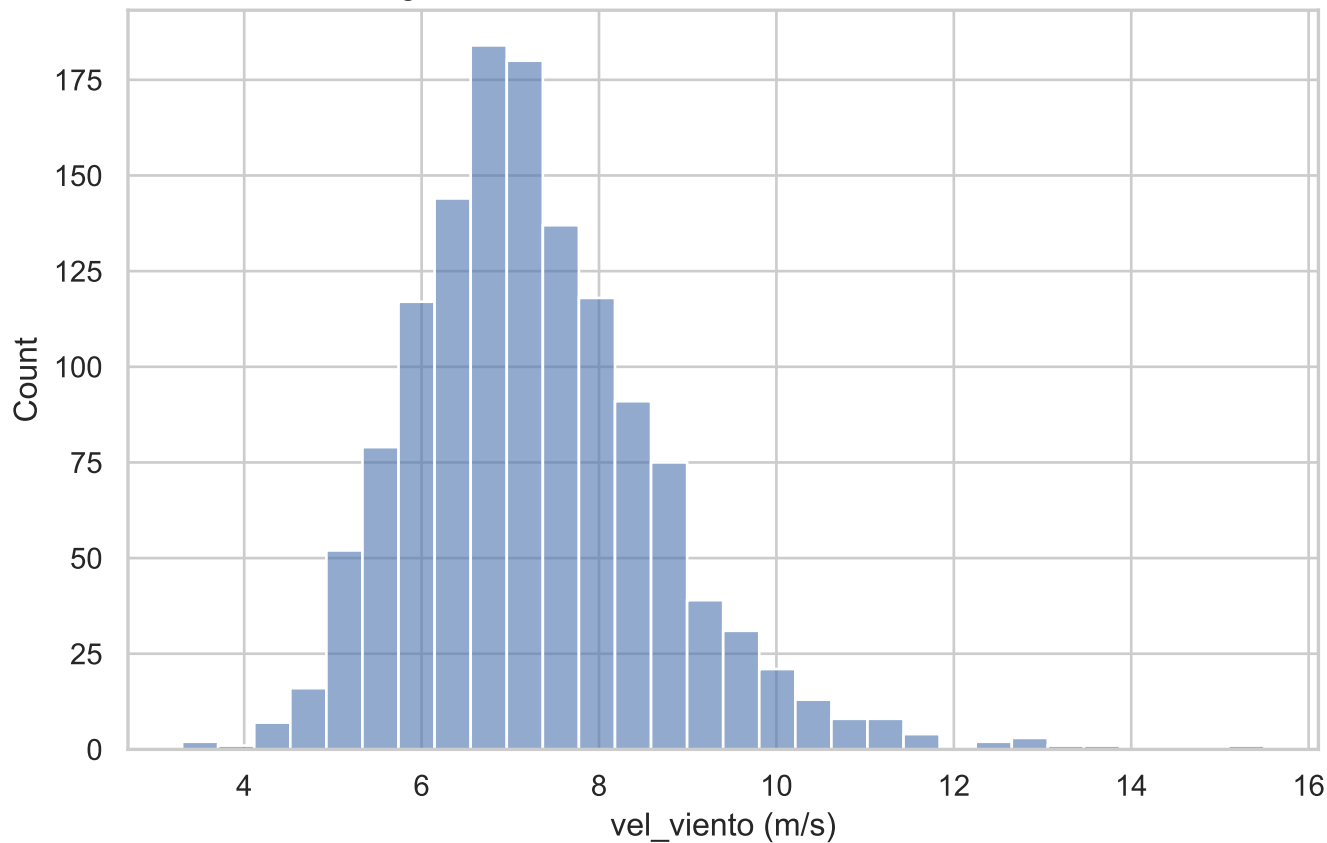


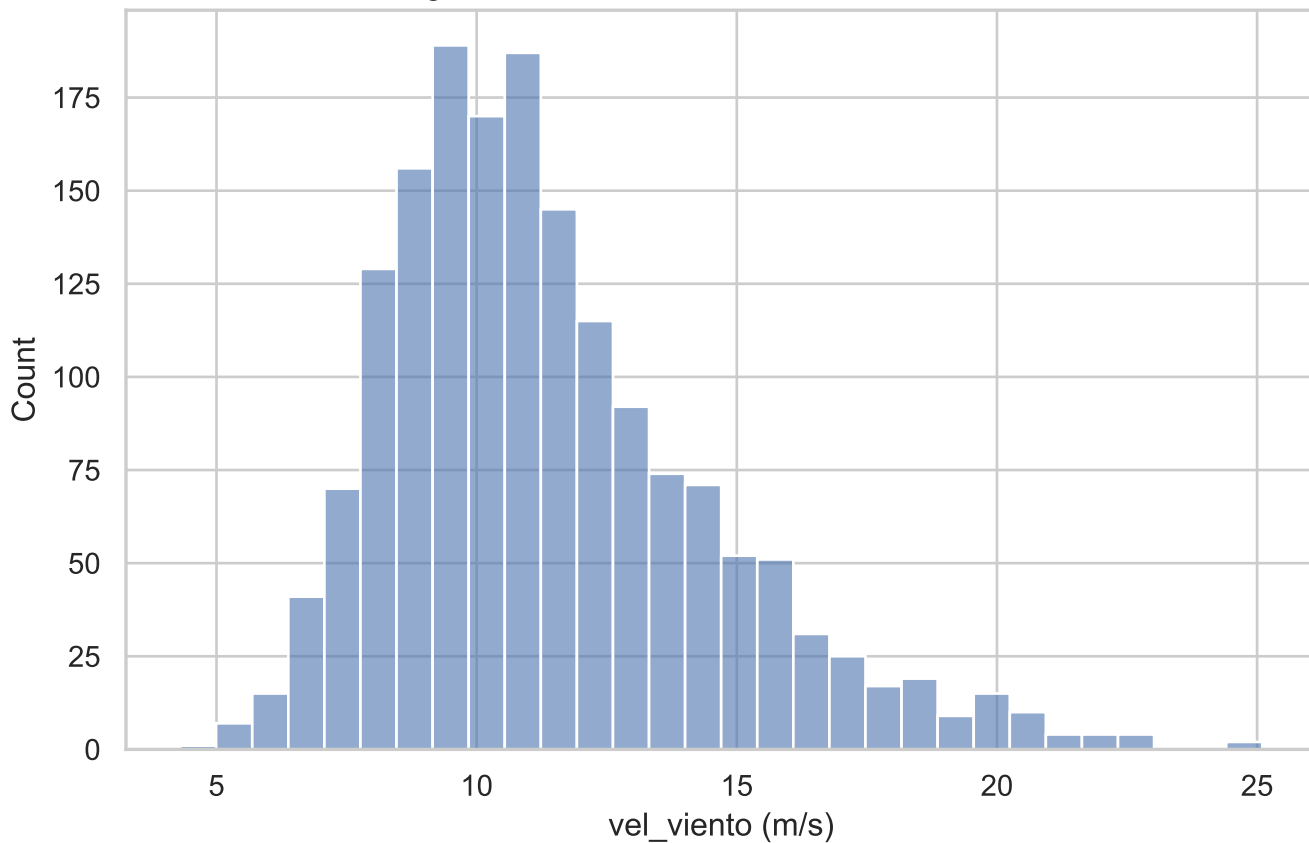
Histograma de Velocidad del Viento – BARRANQUILLA



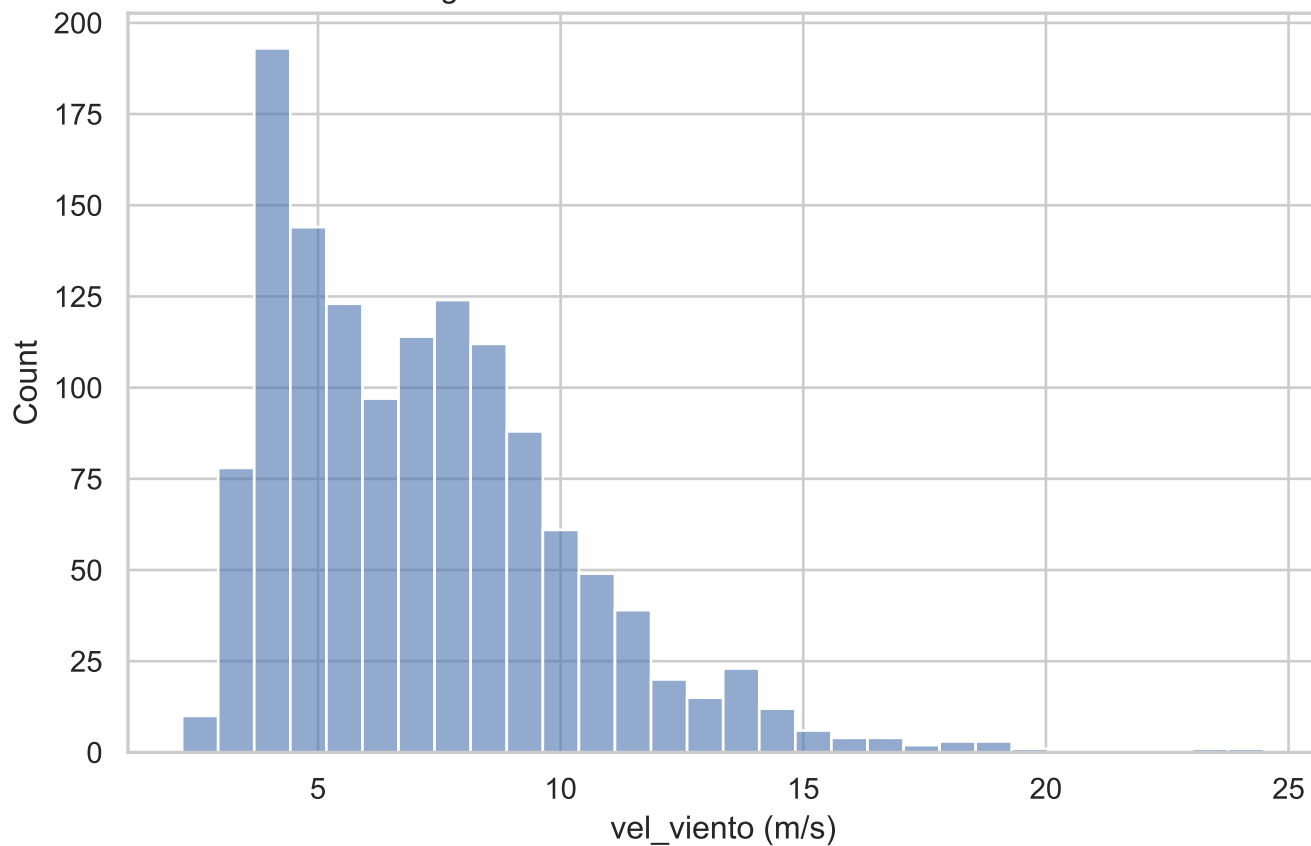
Histograma de Velocidad del Viento – BUCARAMANGA



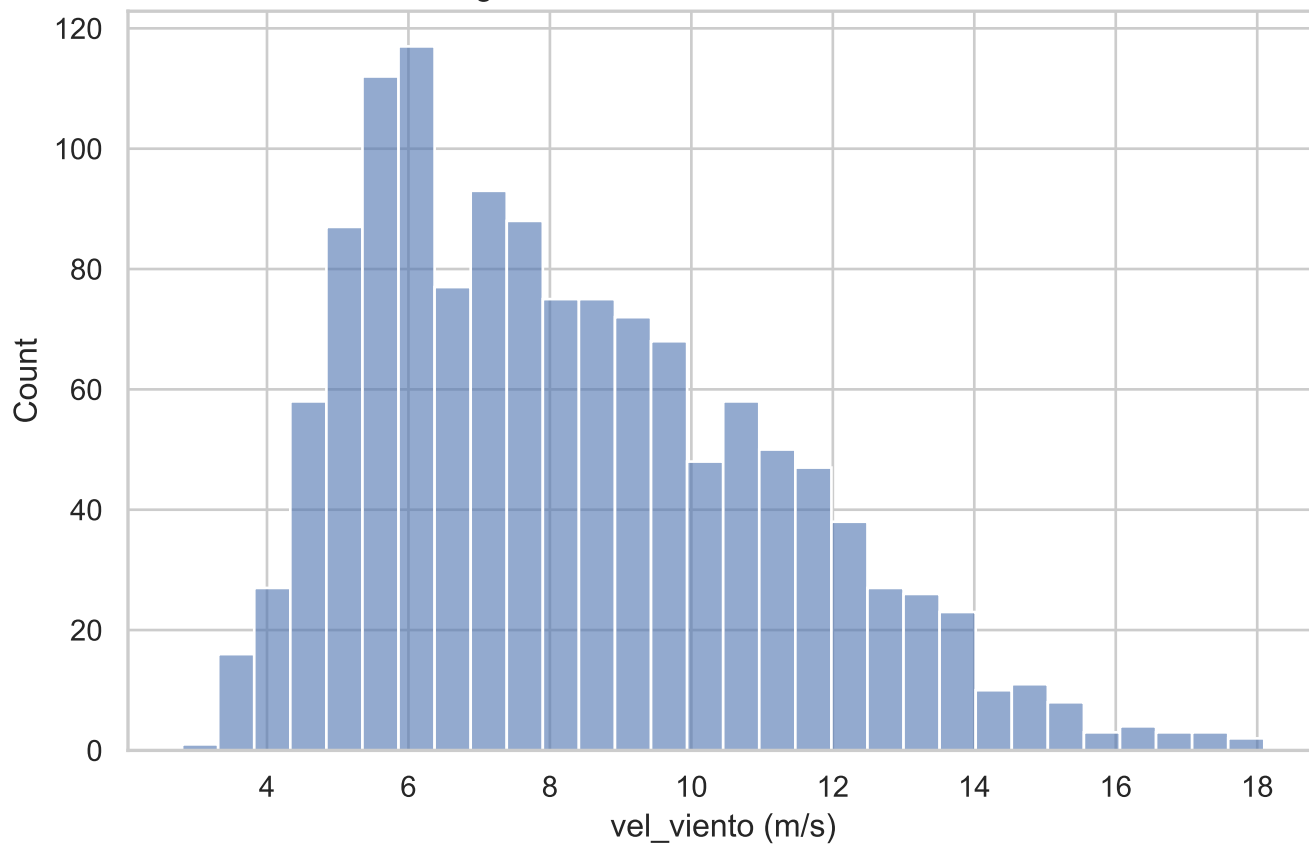
Histograma de Velocidad del Viento – CARTAGENA



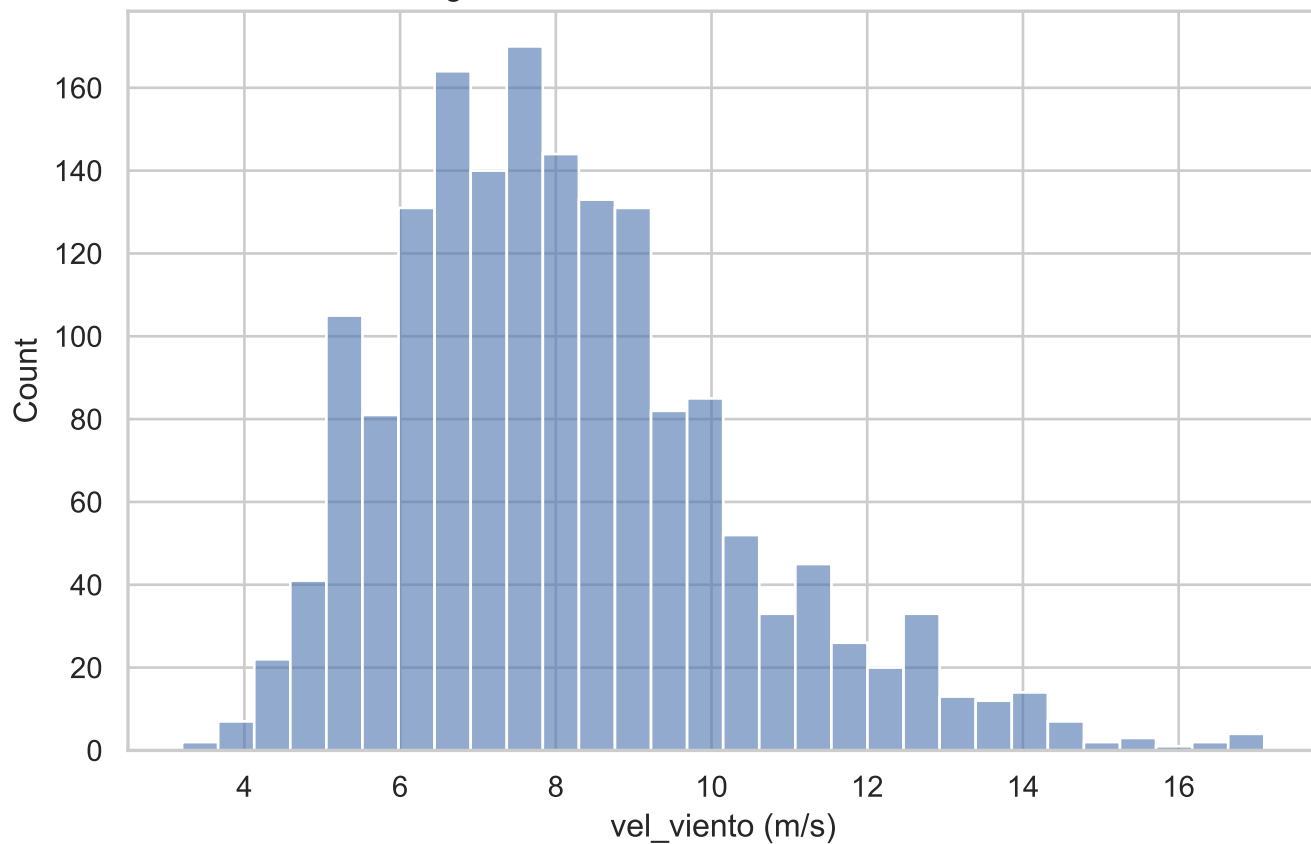
Histograma de Velocidad del Viento – GIRARDOT



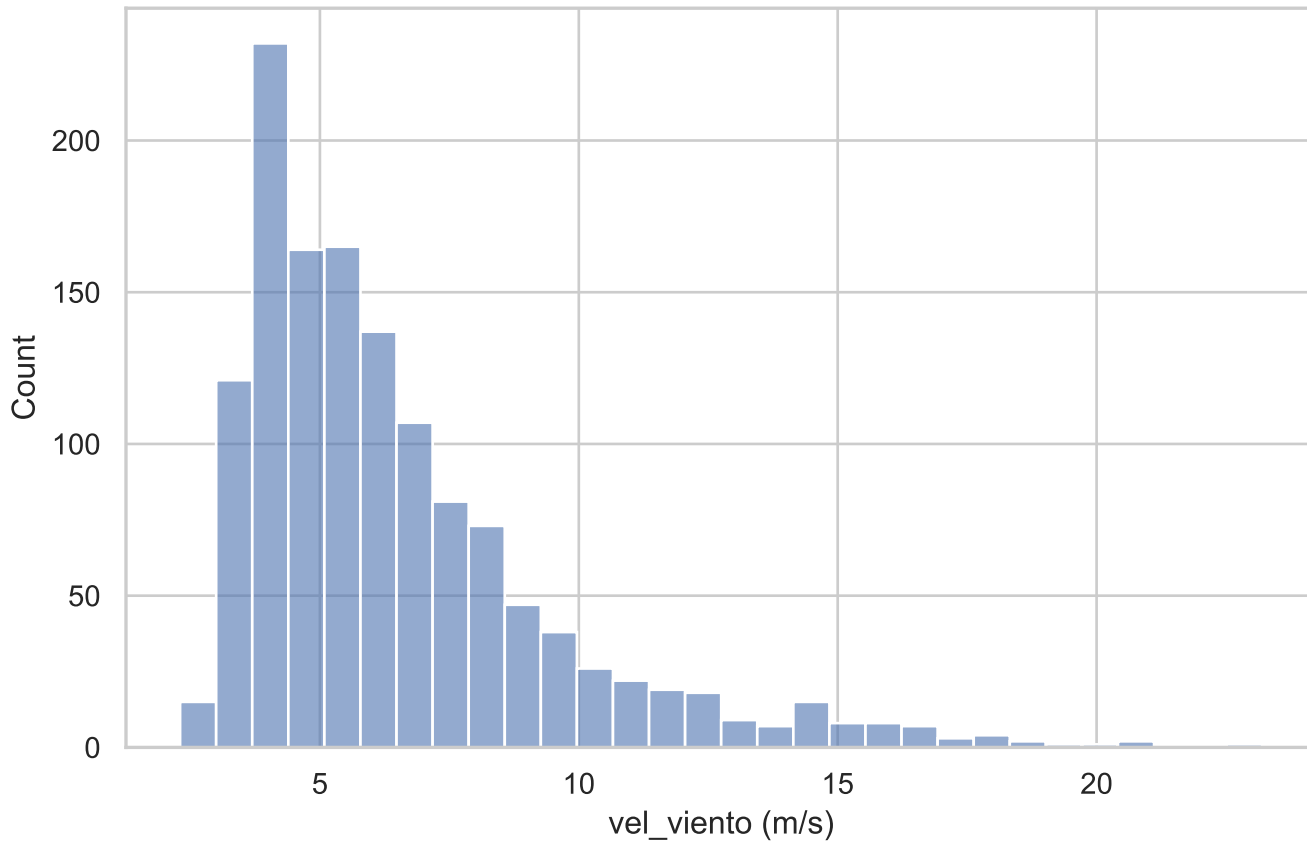
Histograma de Velocidad del Viento – GUAPÍ



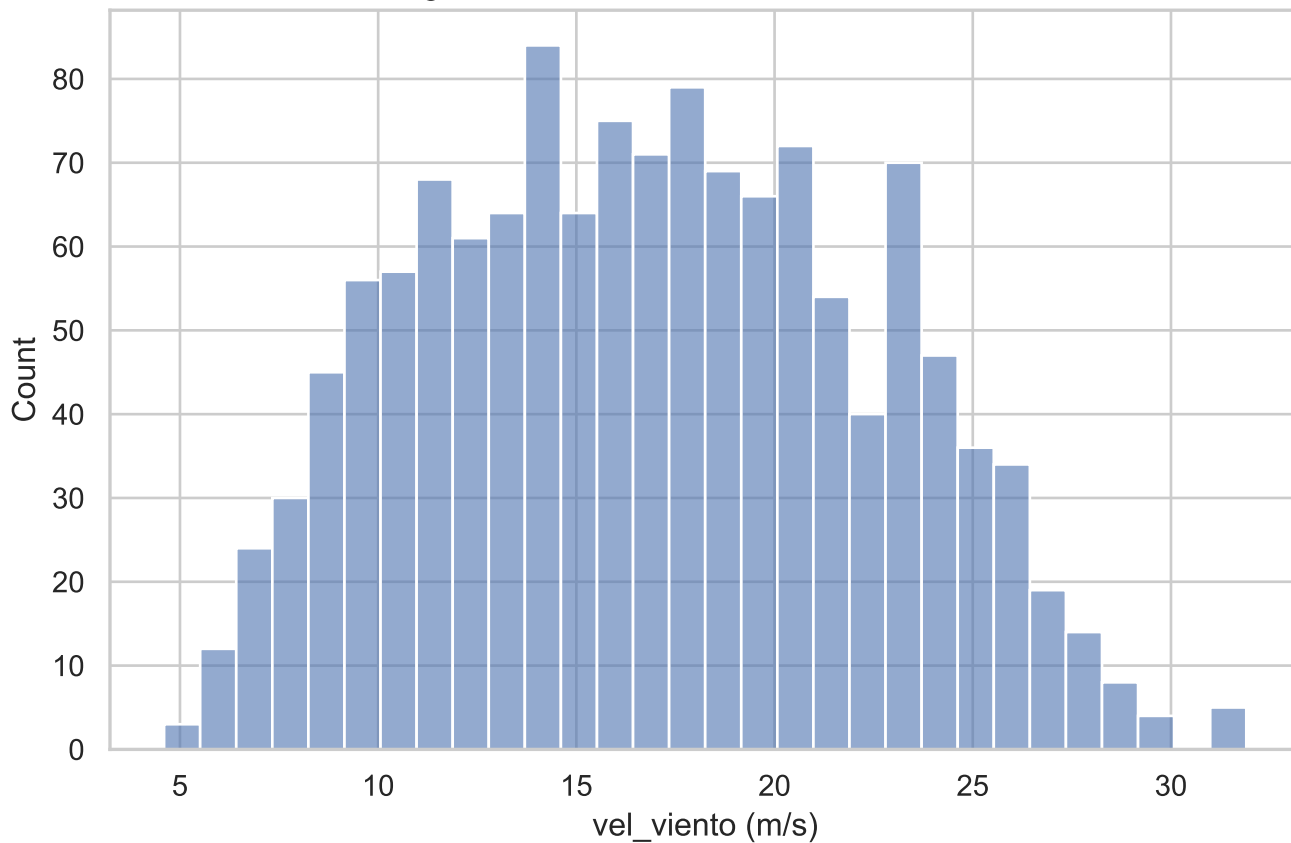
Histograma de Velocidad del Viento – MEDELLÍN



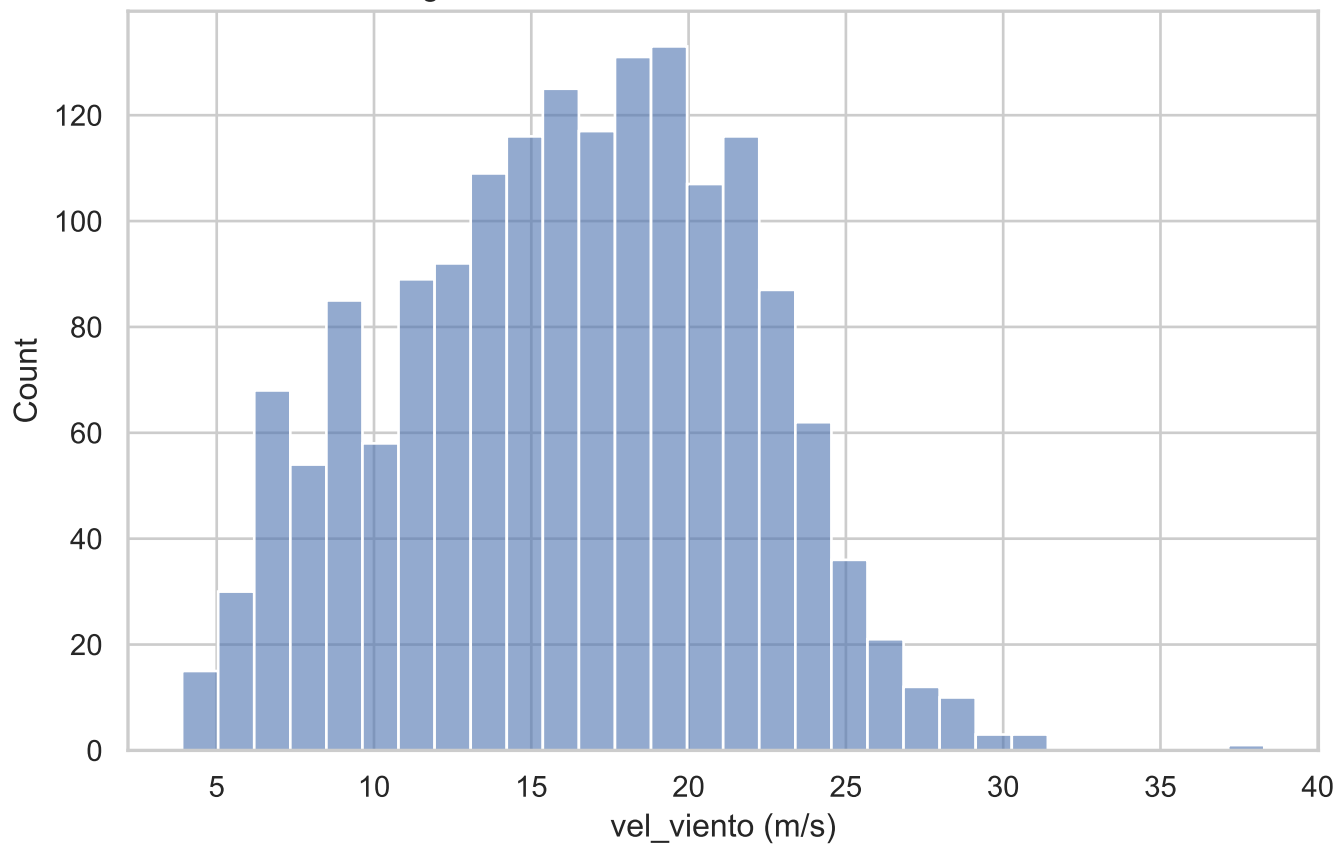
Histograma de Velocidad del Viento – MOCO A



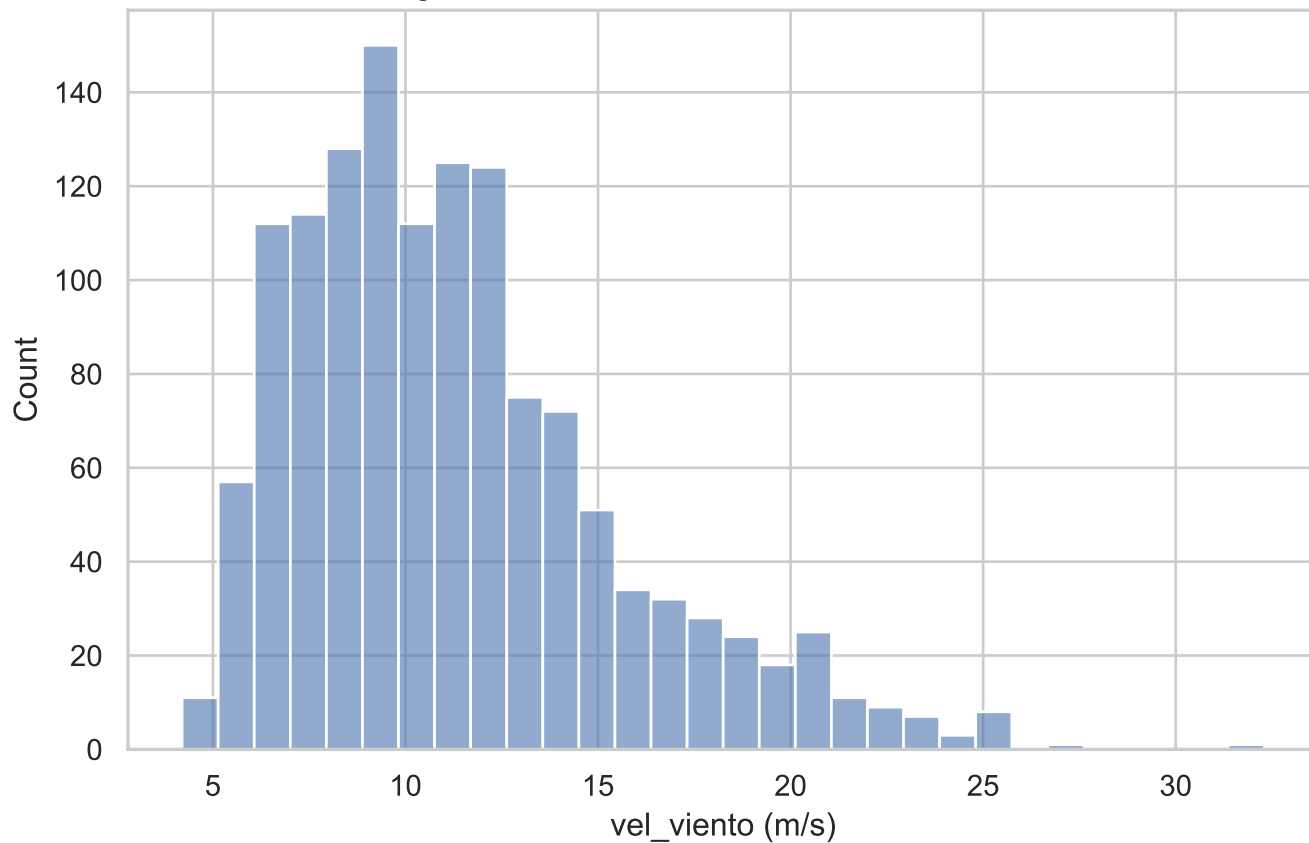
Histograma de Velocidad del Viento – RIOHACHA



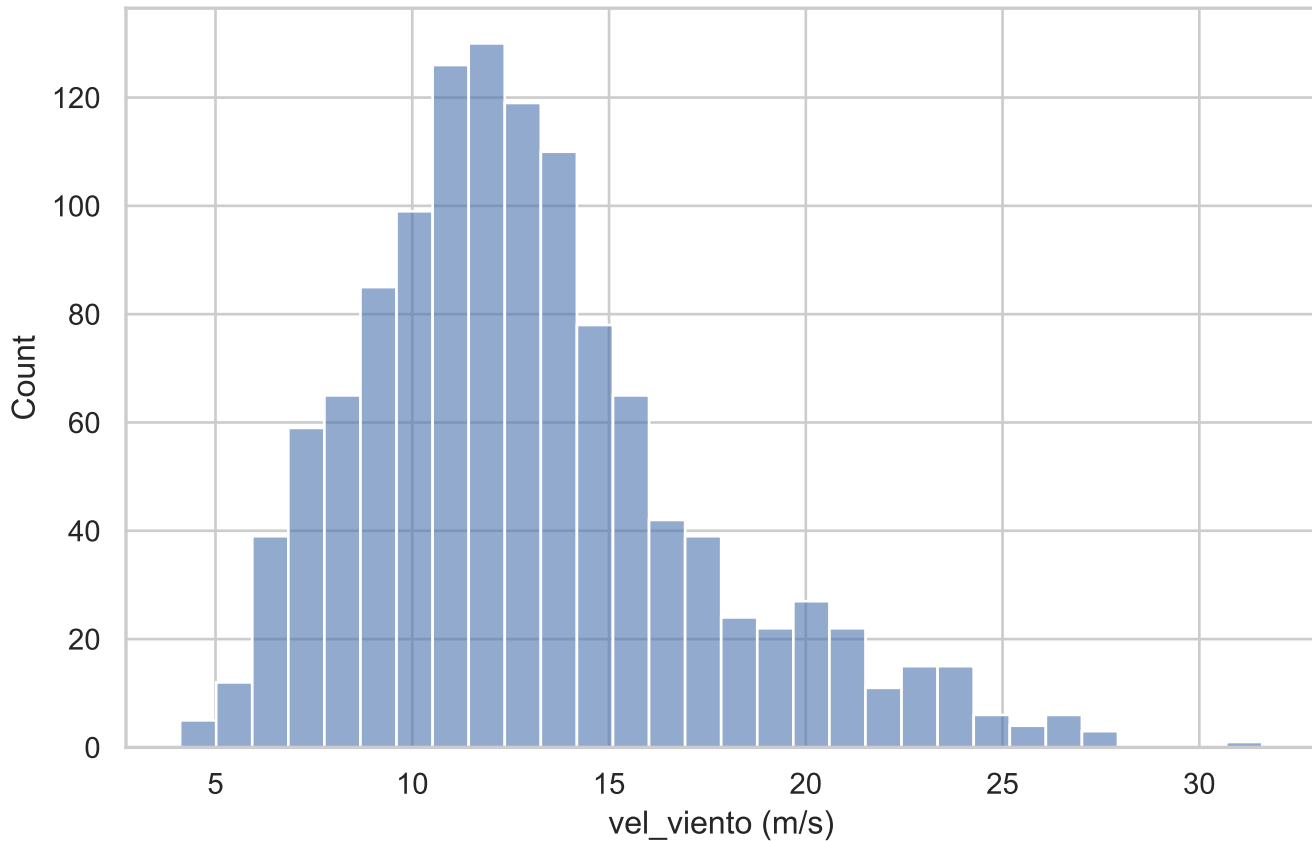
Histograma de Velocidad del Viento – SAN ANDRÉS



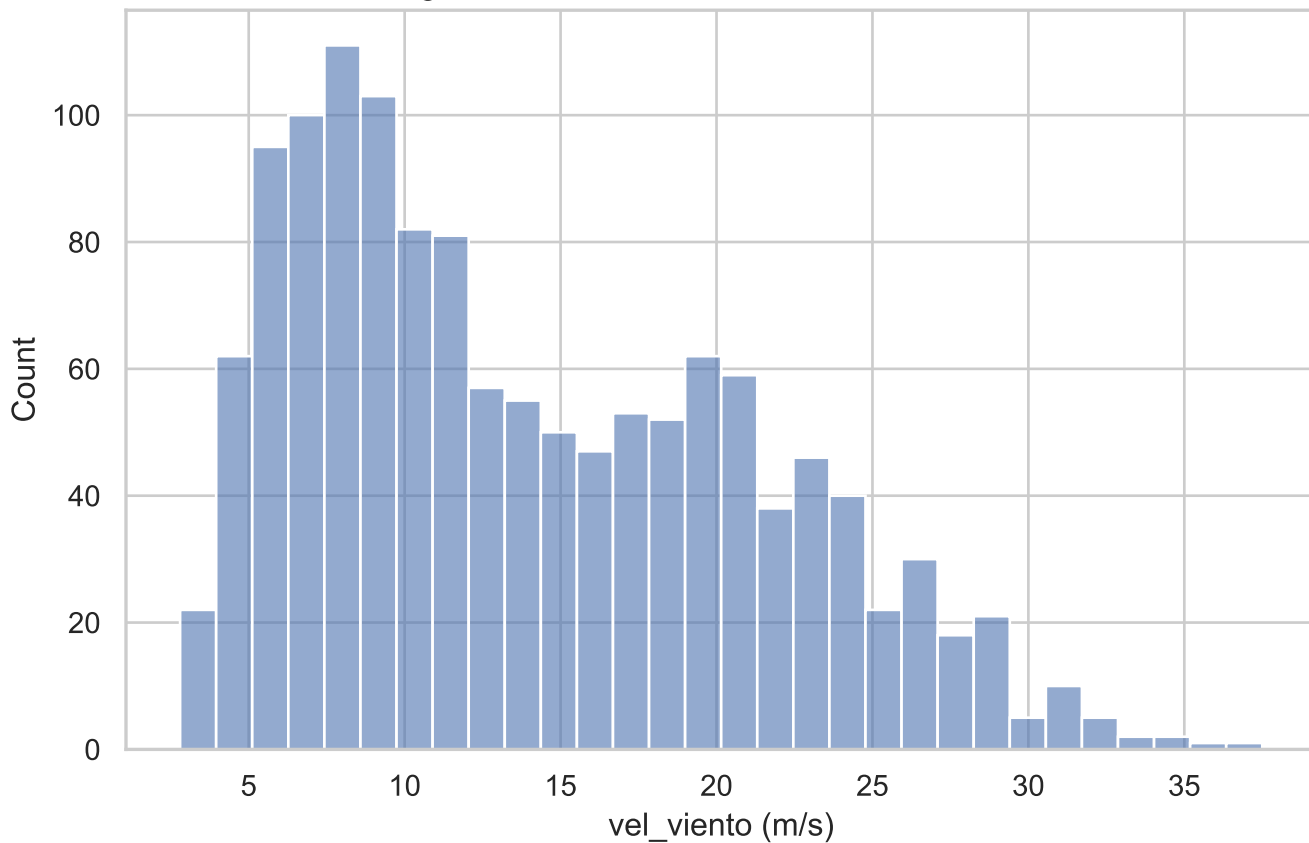
Histograma de Velocidad del Viento – SANTA MARTA



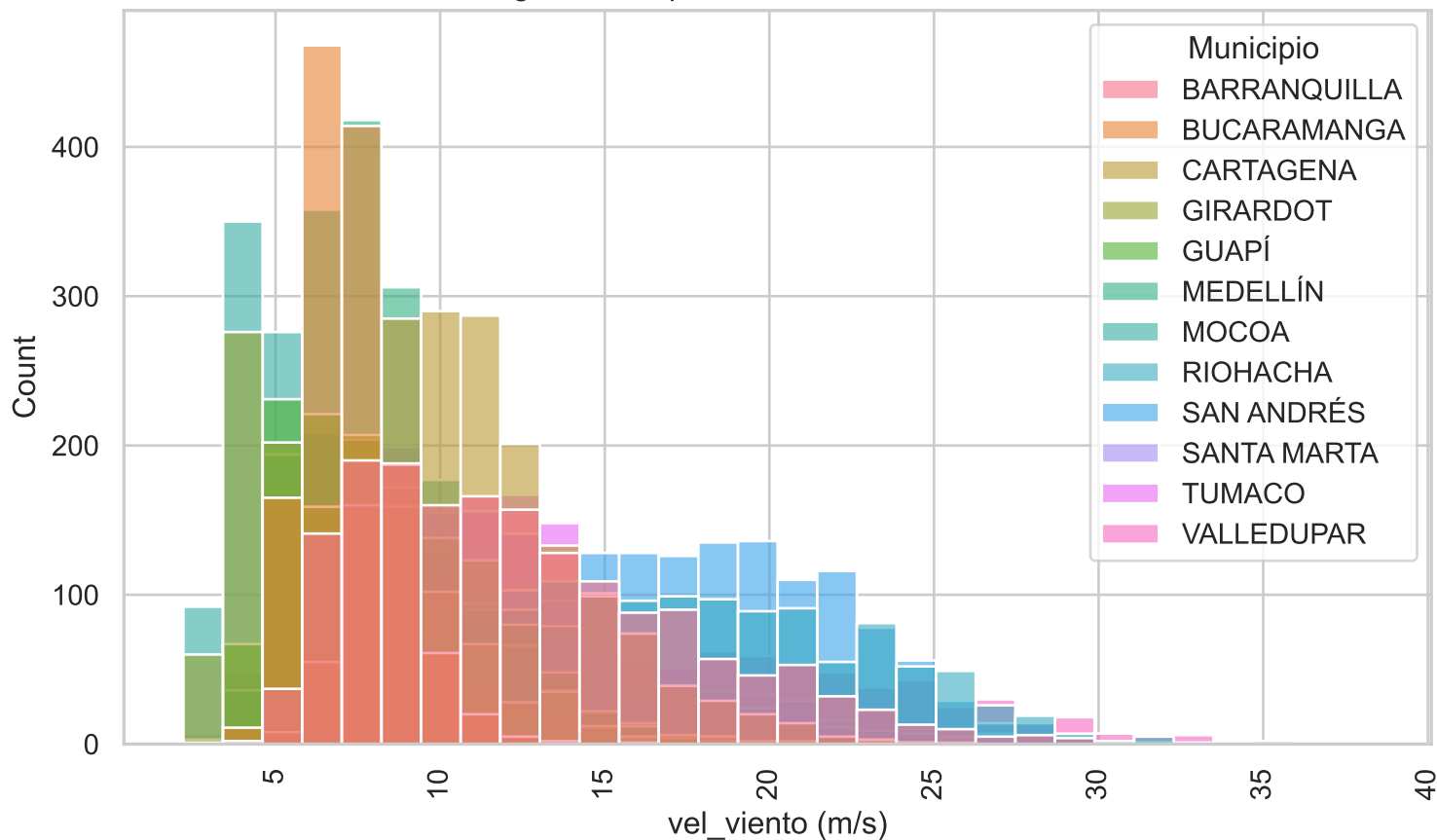
Histograma de Velocidad del Viento – TUMACO



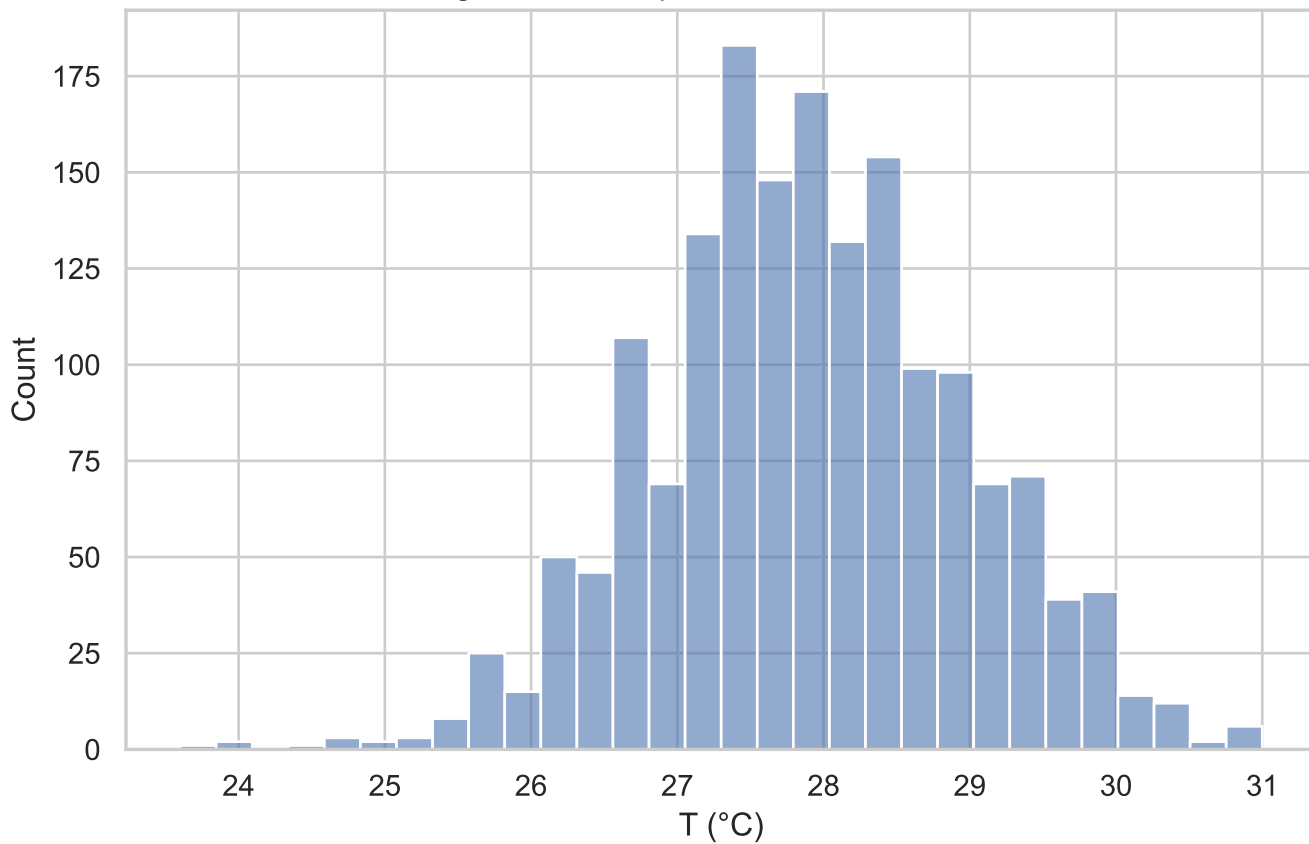
Histograma de Velocidad del Viento – VALLEDUPAR



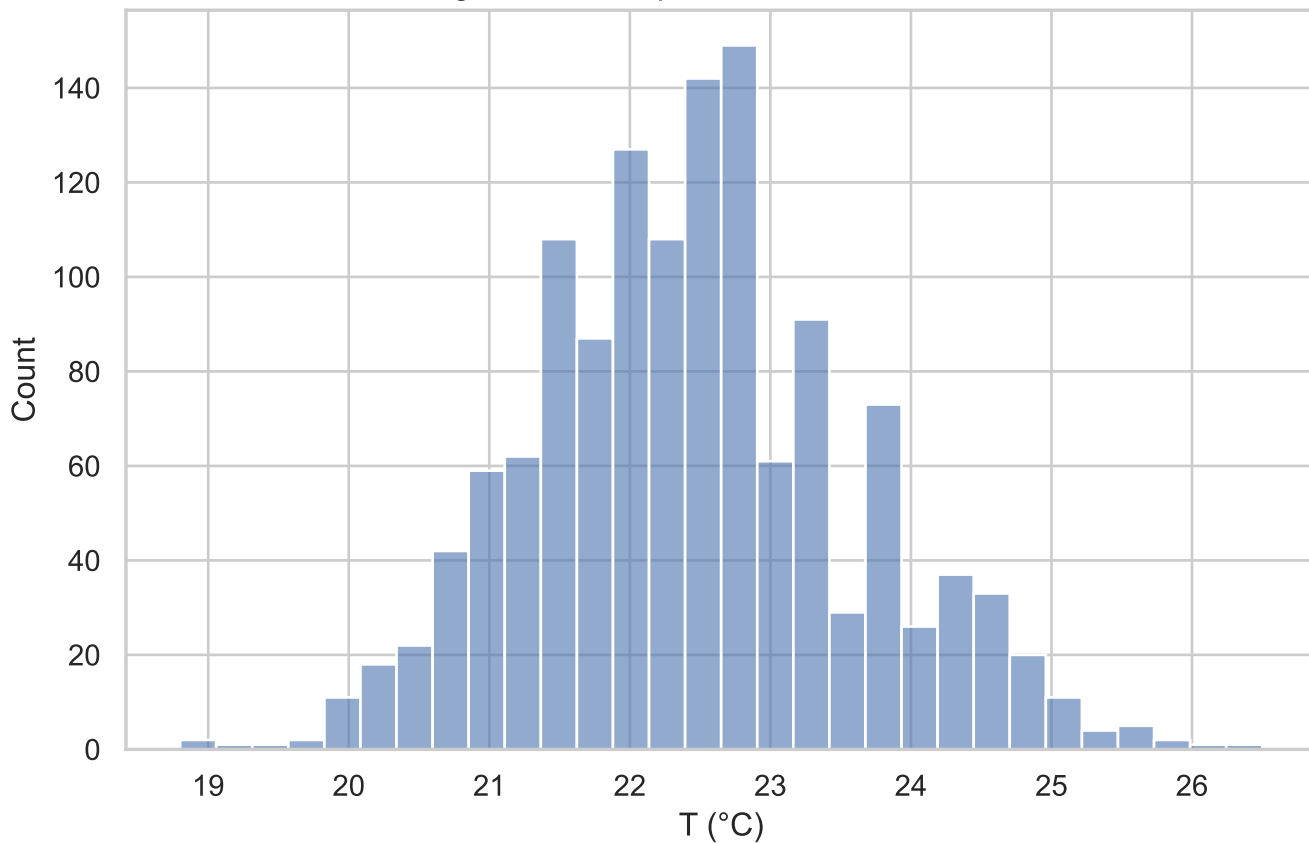
Histograma comparativo de Velocidad del Viento



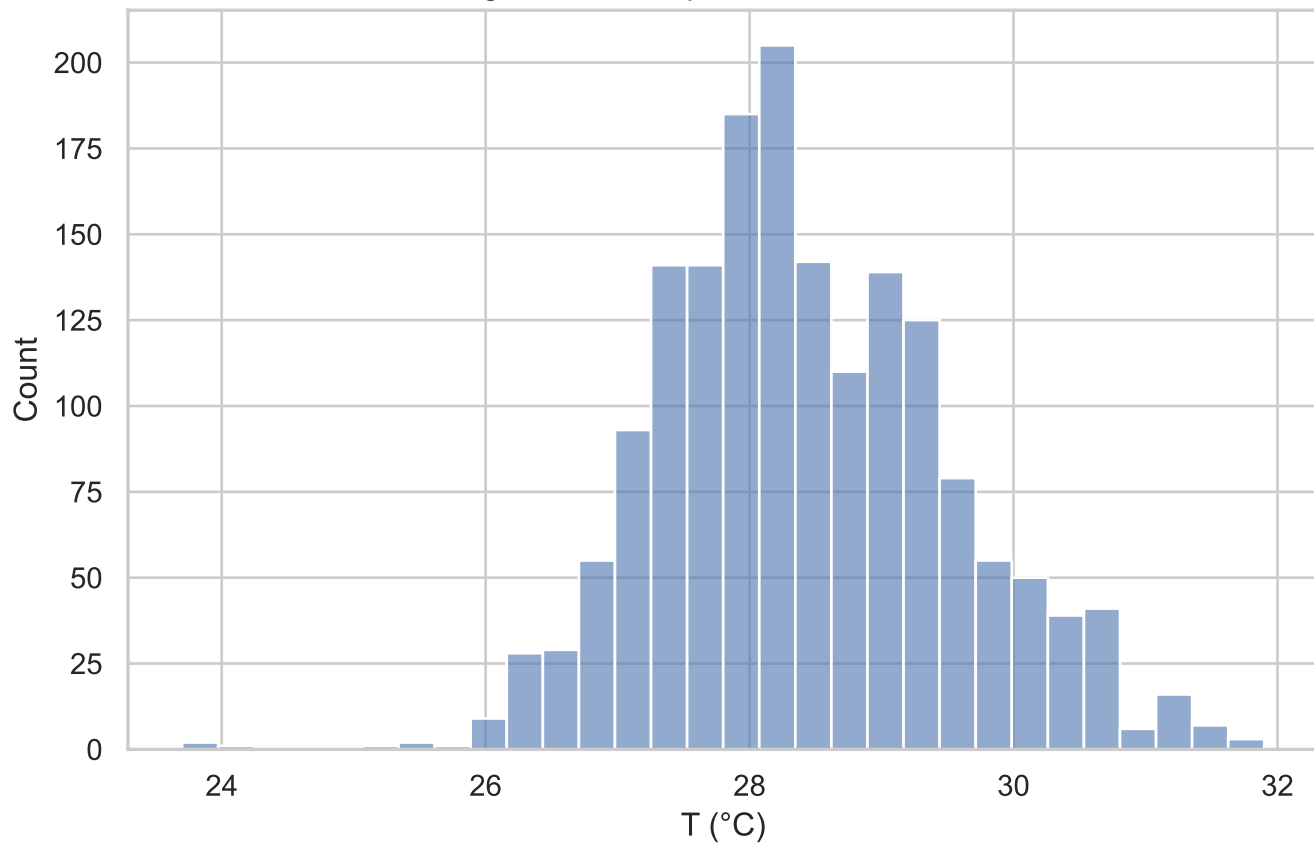
Histograma de Temperatura – BARRANQUILLA



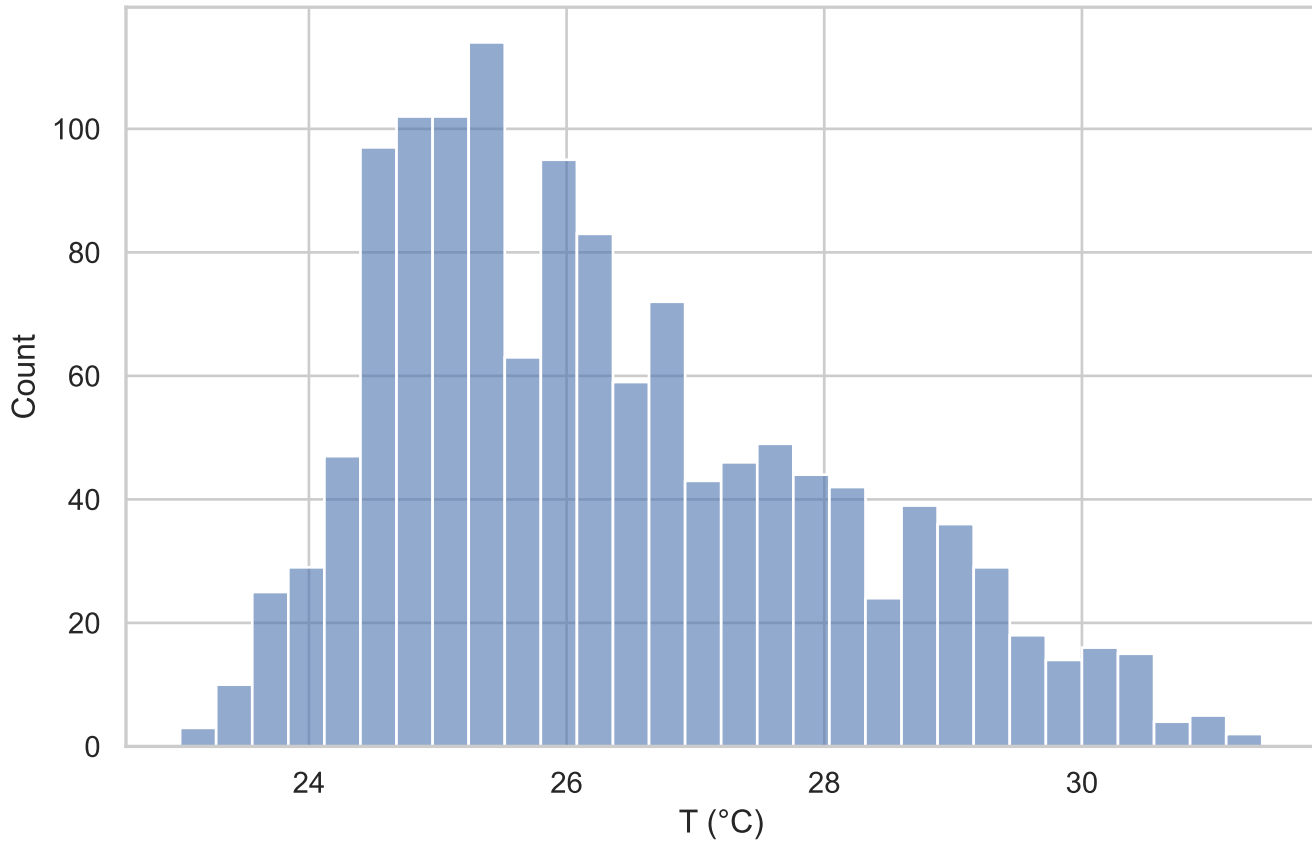
Histograma de Temperatura – BUCARAMANGA



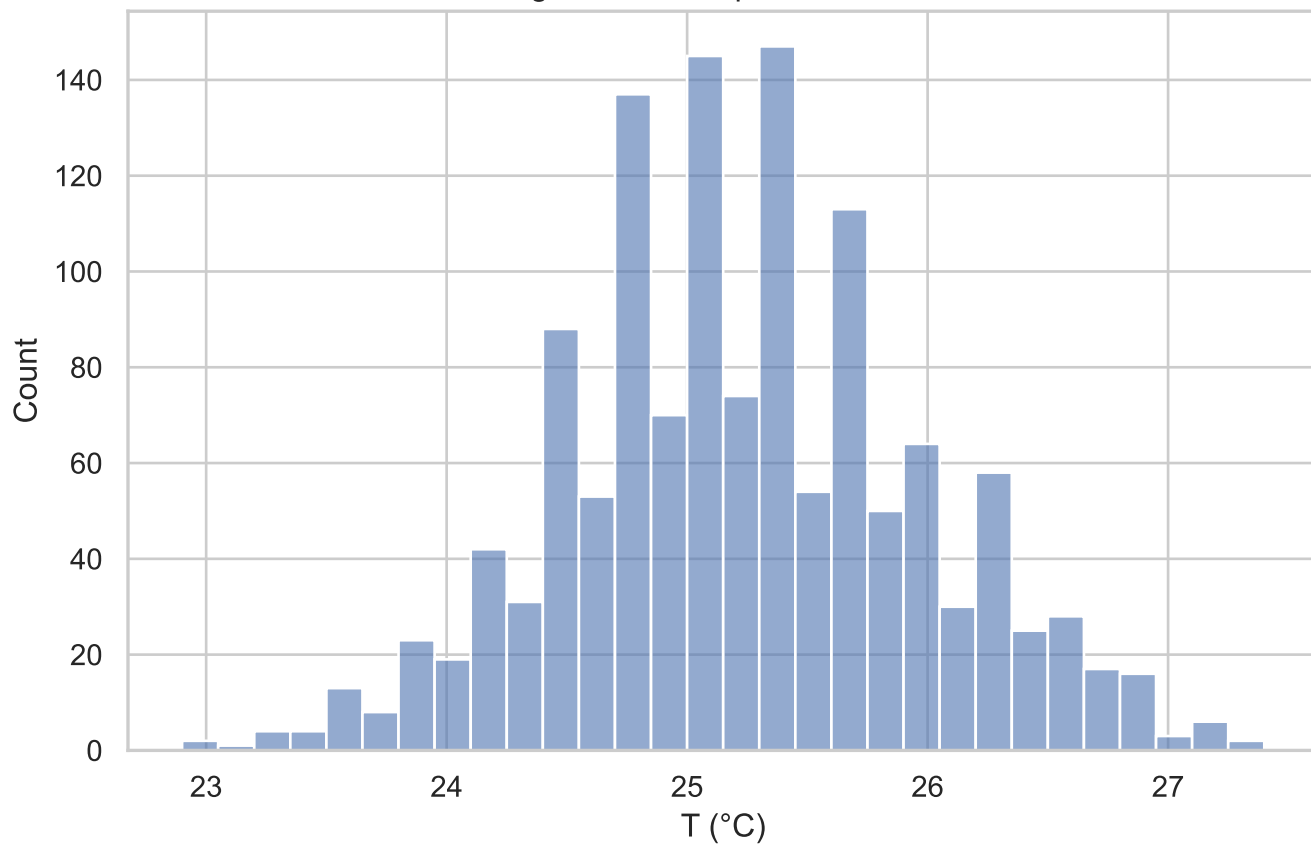
Histograma de Temperatura – CARTAGENA



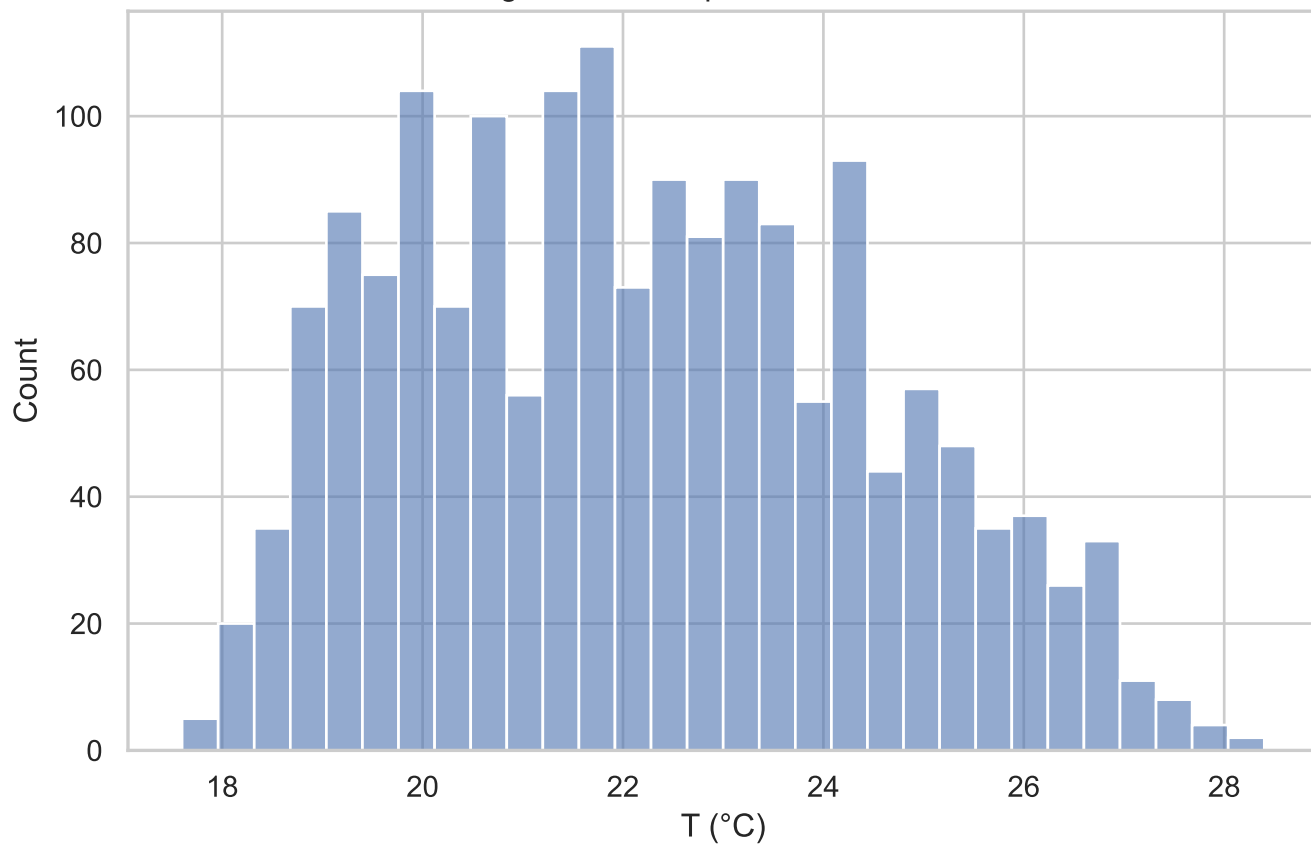
Histograma de Temperatura – GIRARDOT



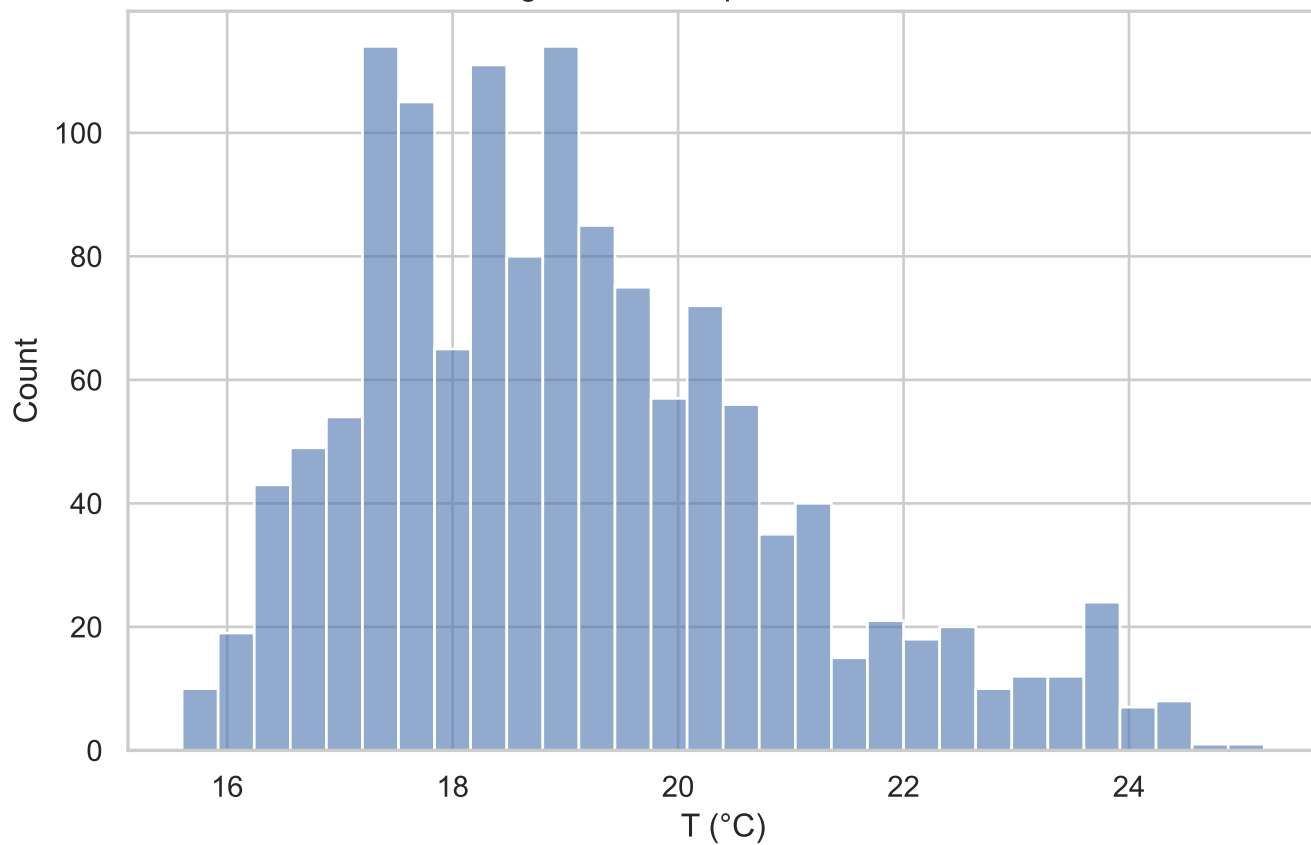
Histograma de Temperatura – GUAPÍ



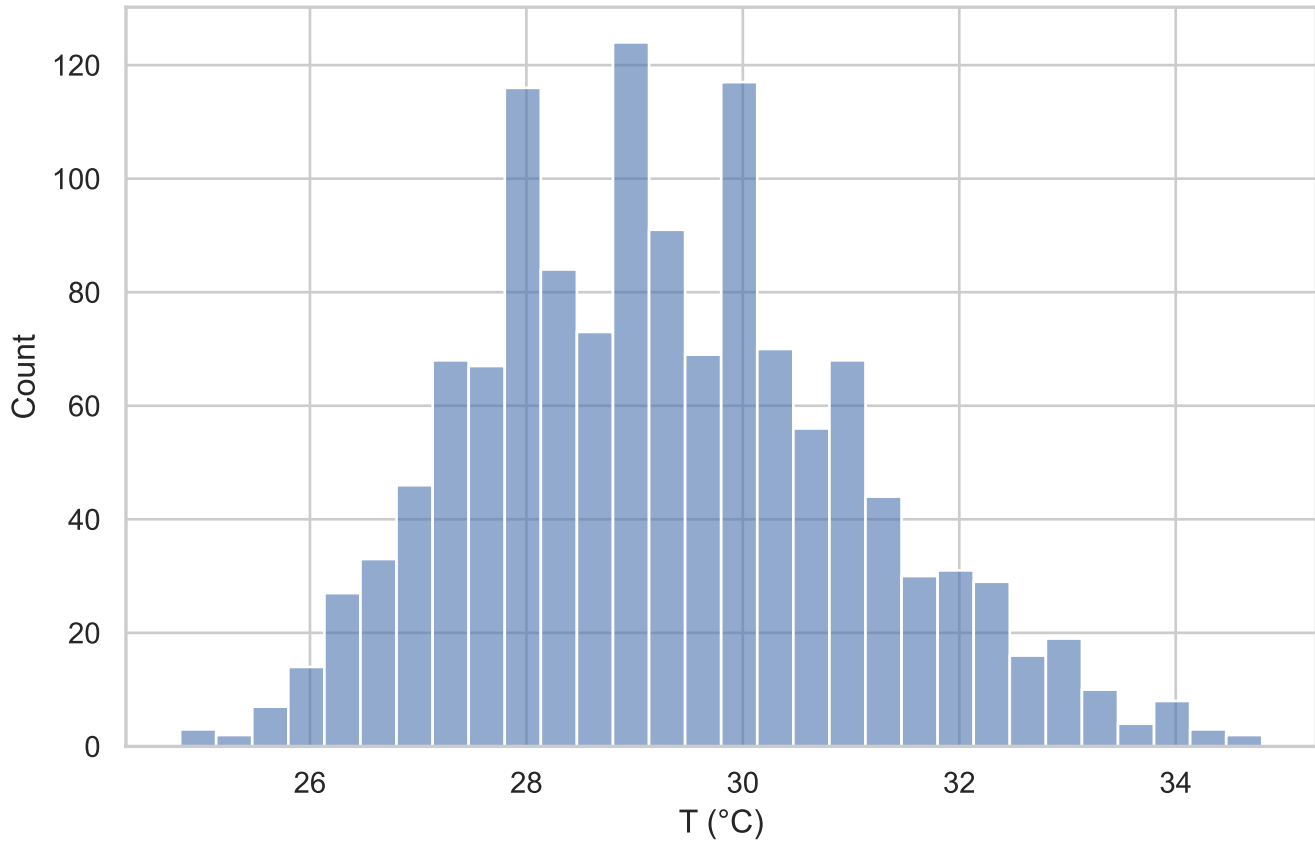
Histograma de Temperatura – MEDELLÍN



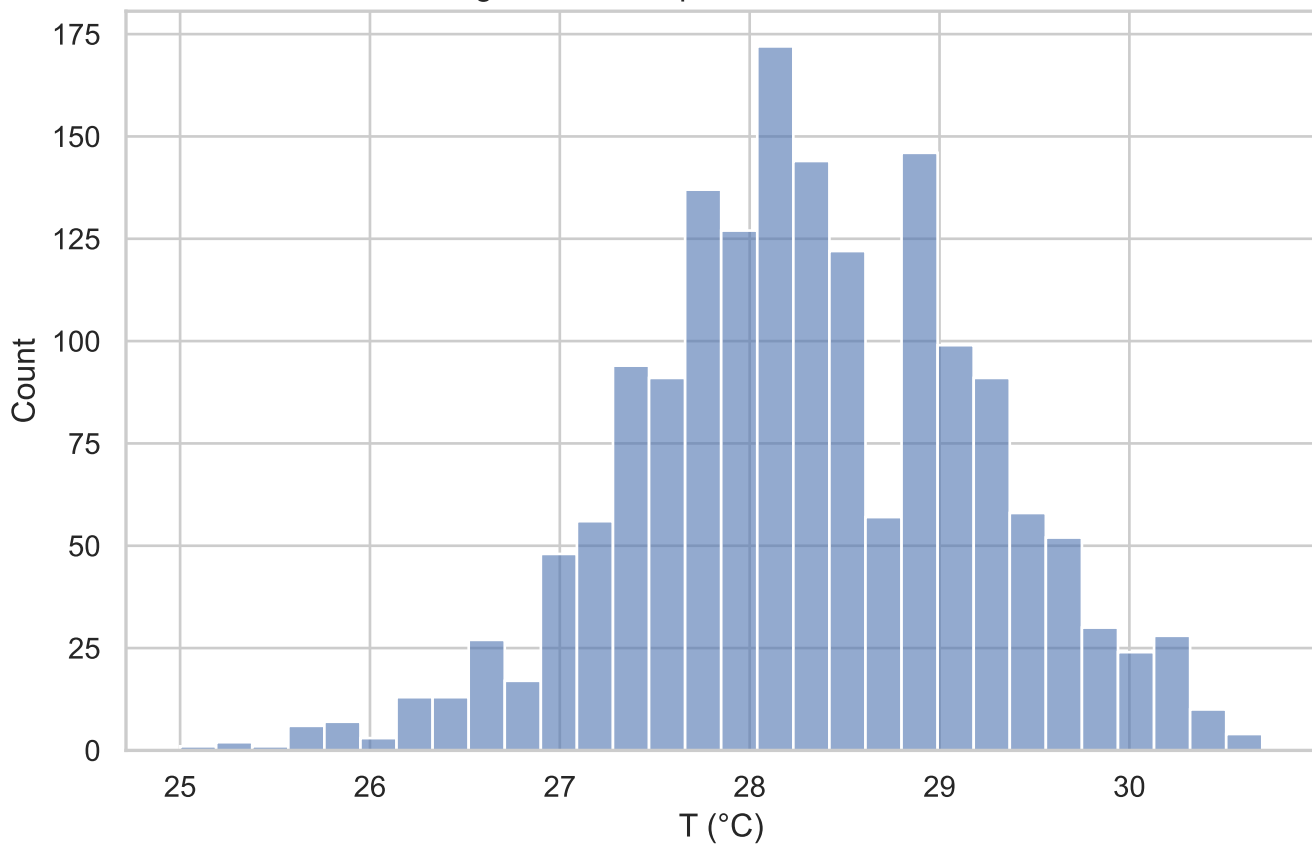
Histograma de Temperatura – MOCO A



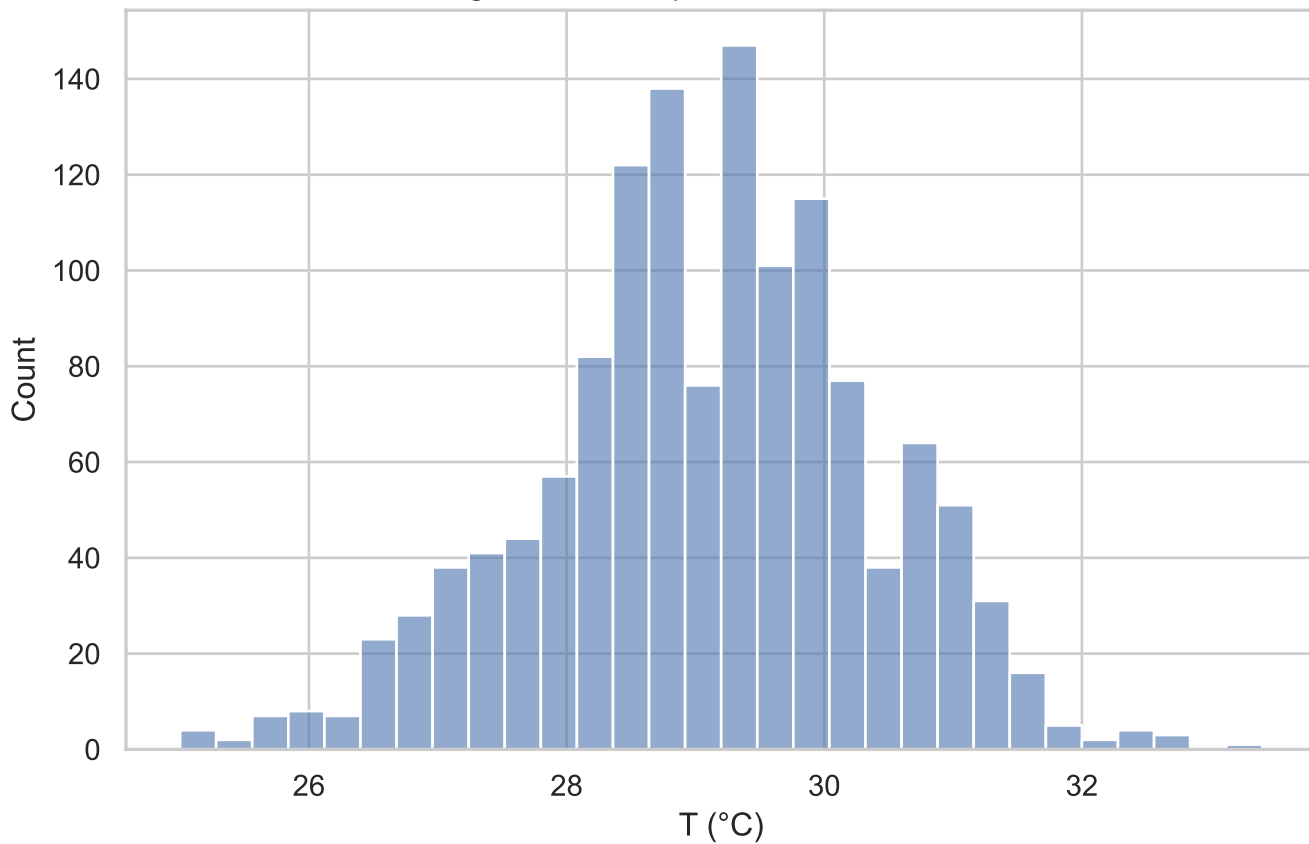
Histograma de Temperatura – RIOHACHA



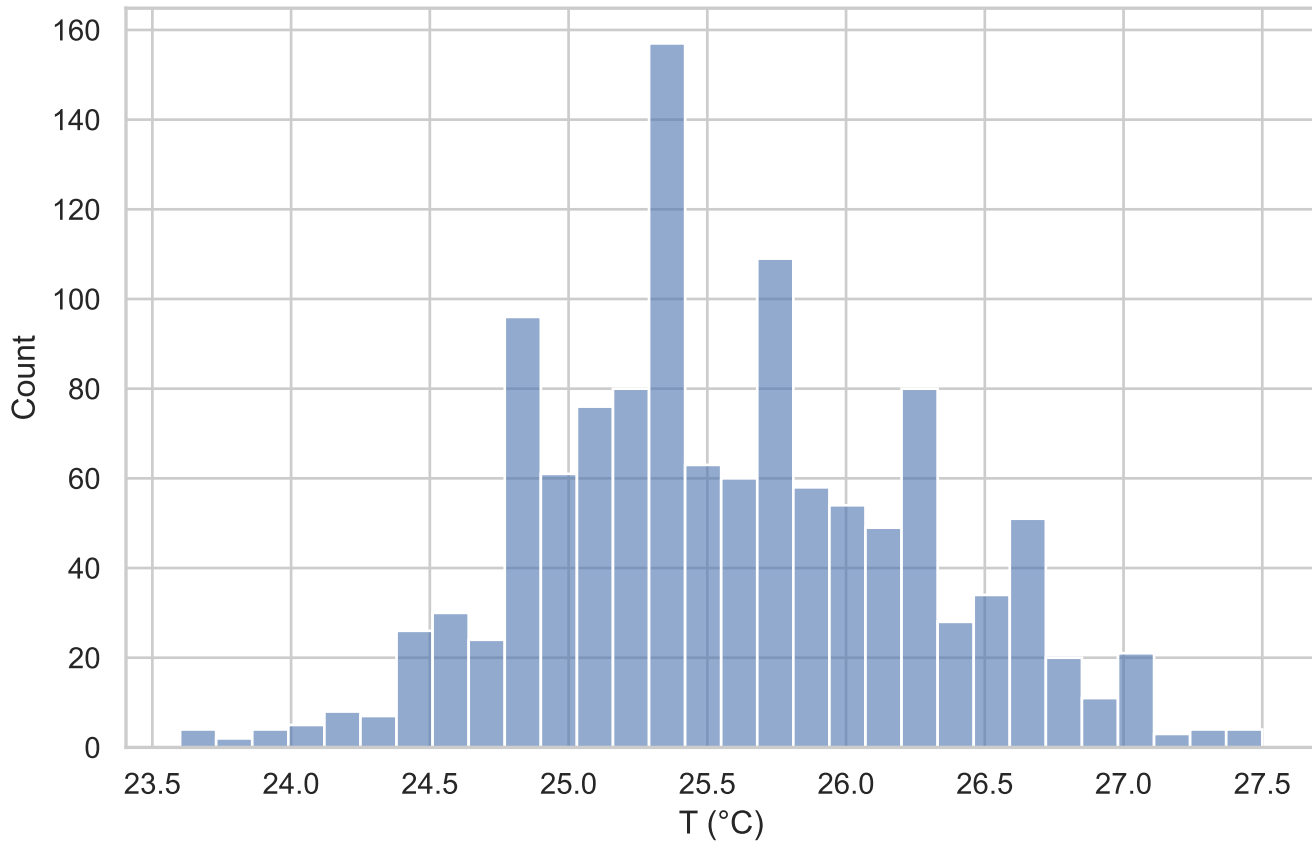
Histograma de Temperatura – SAN ANDRÉS



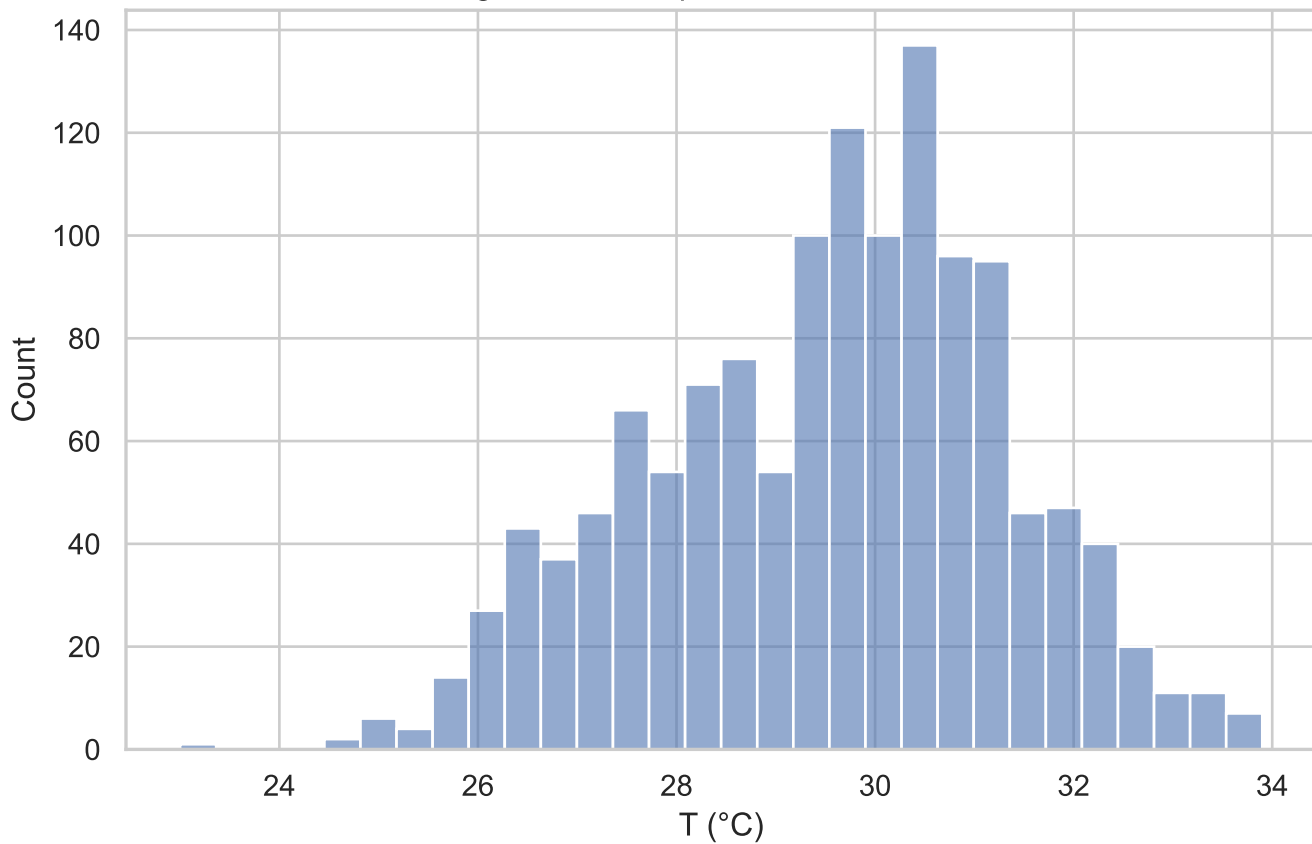
Histograma de Temperatura – SANTA MARTA



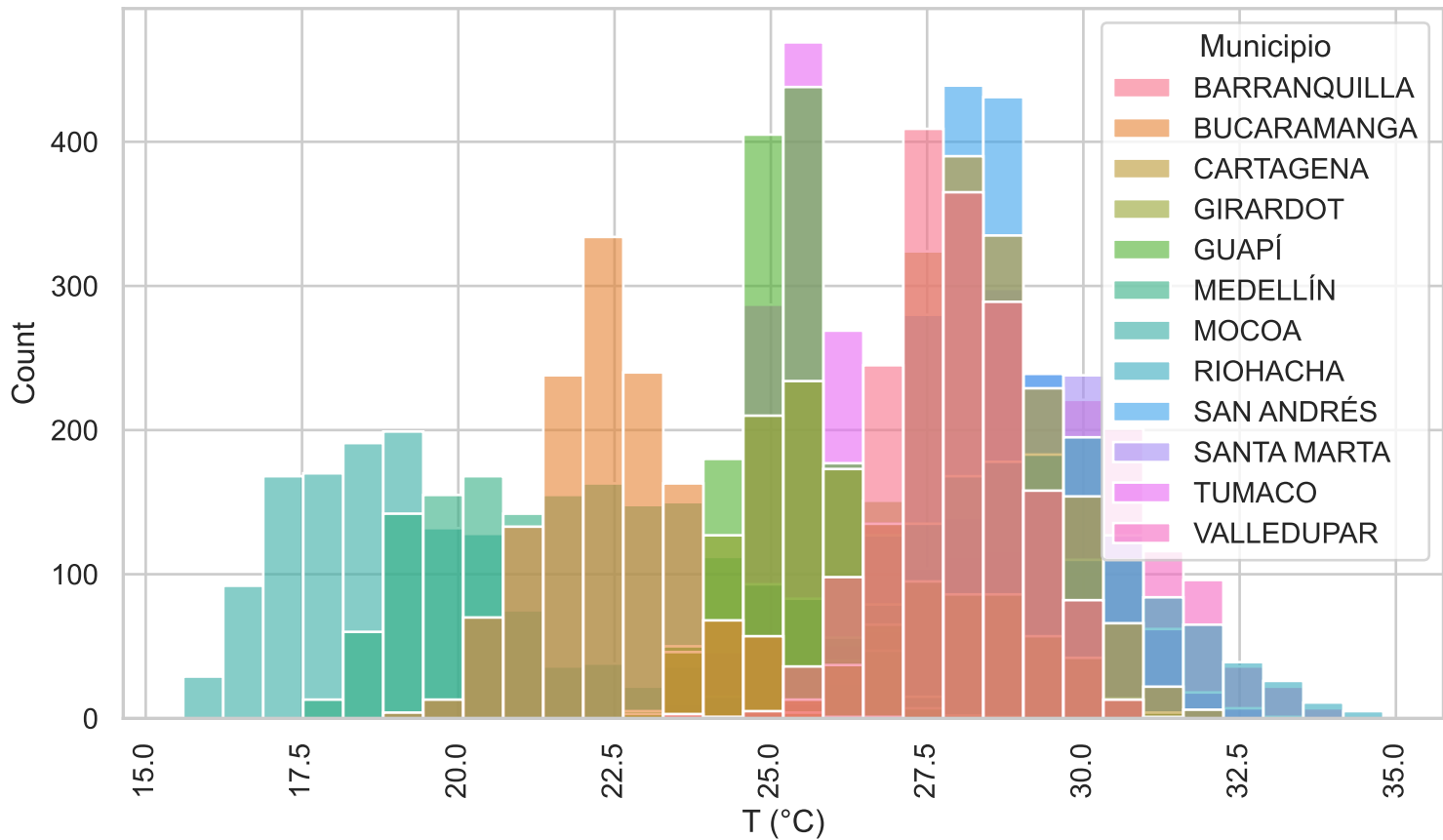
Histograma de Temperatura – TUMACO



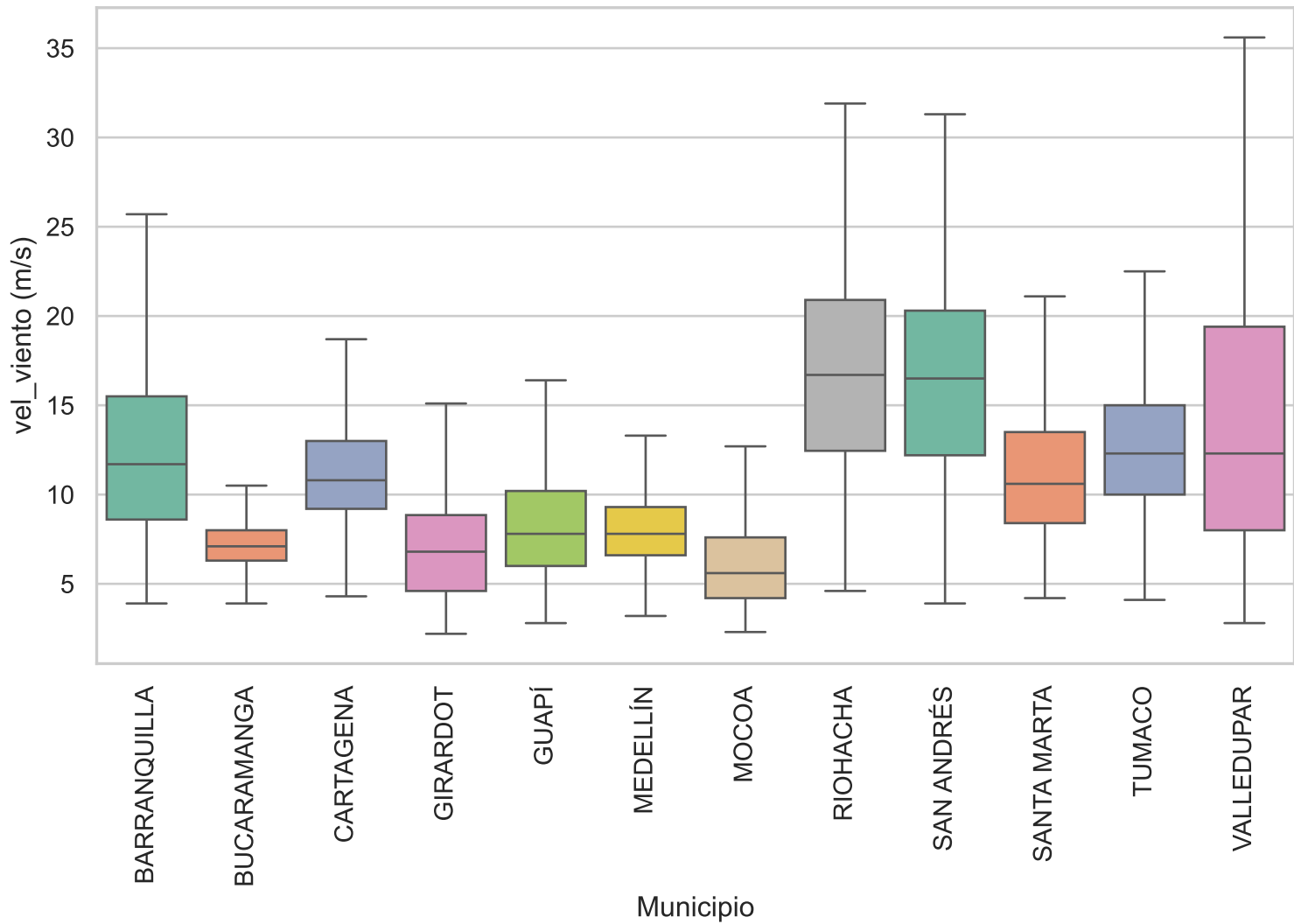
Histograma de Temperatura – VALLEDUPAR



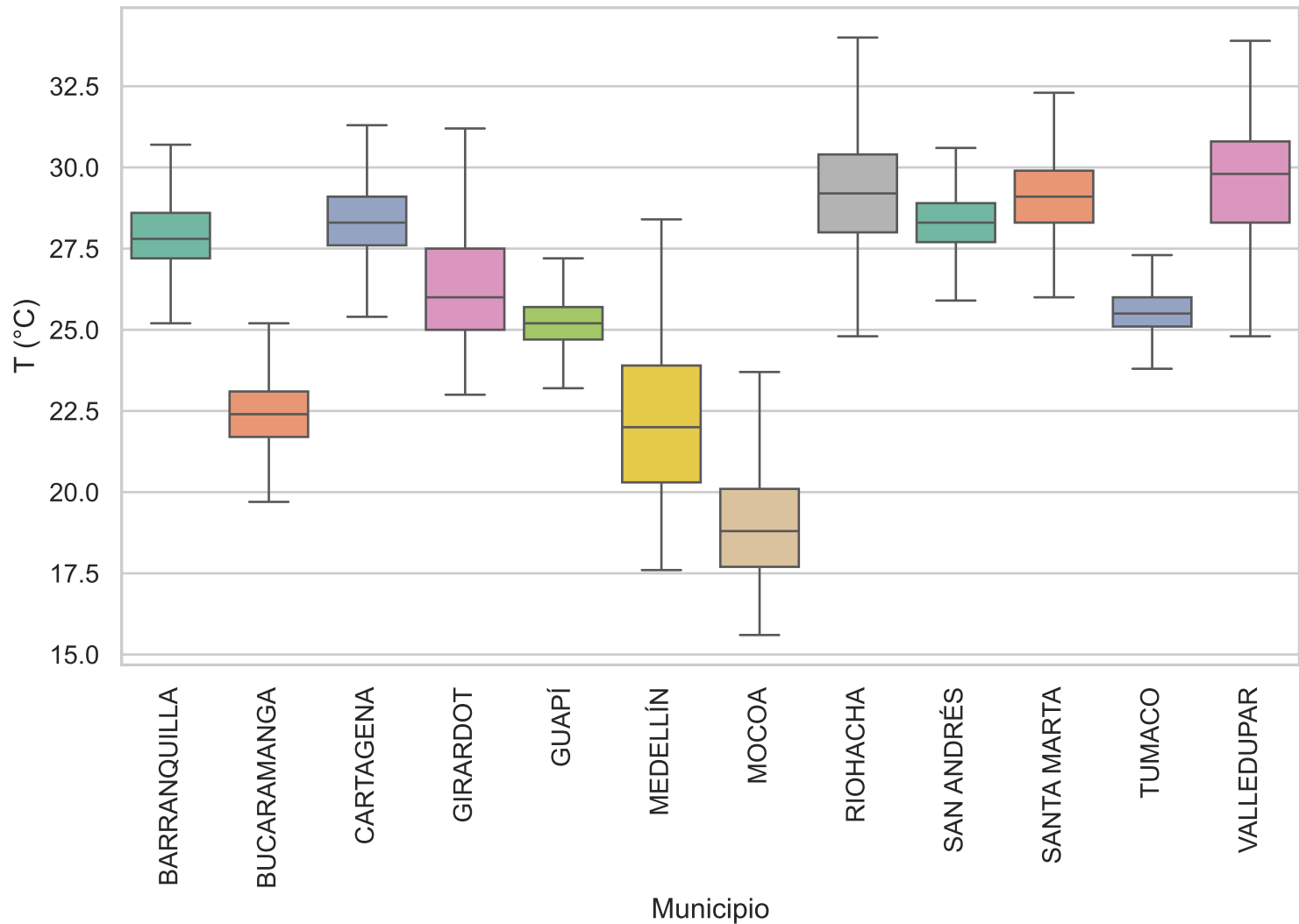
Histograma comparativo de Temperatura



Boxplot de Velocidad del Viento



Boxplot de Temperatura



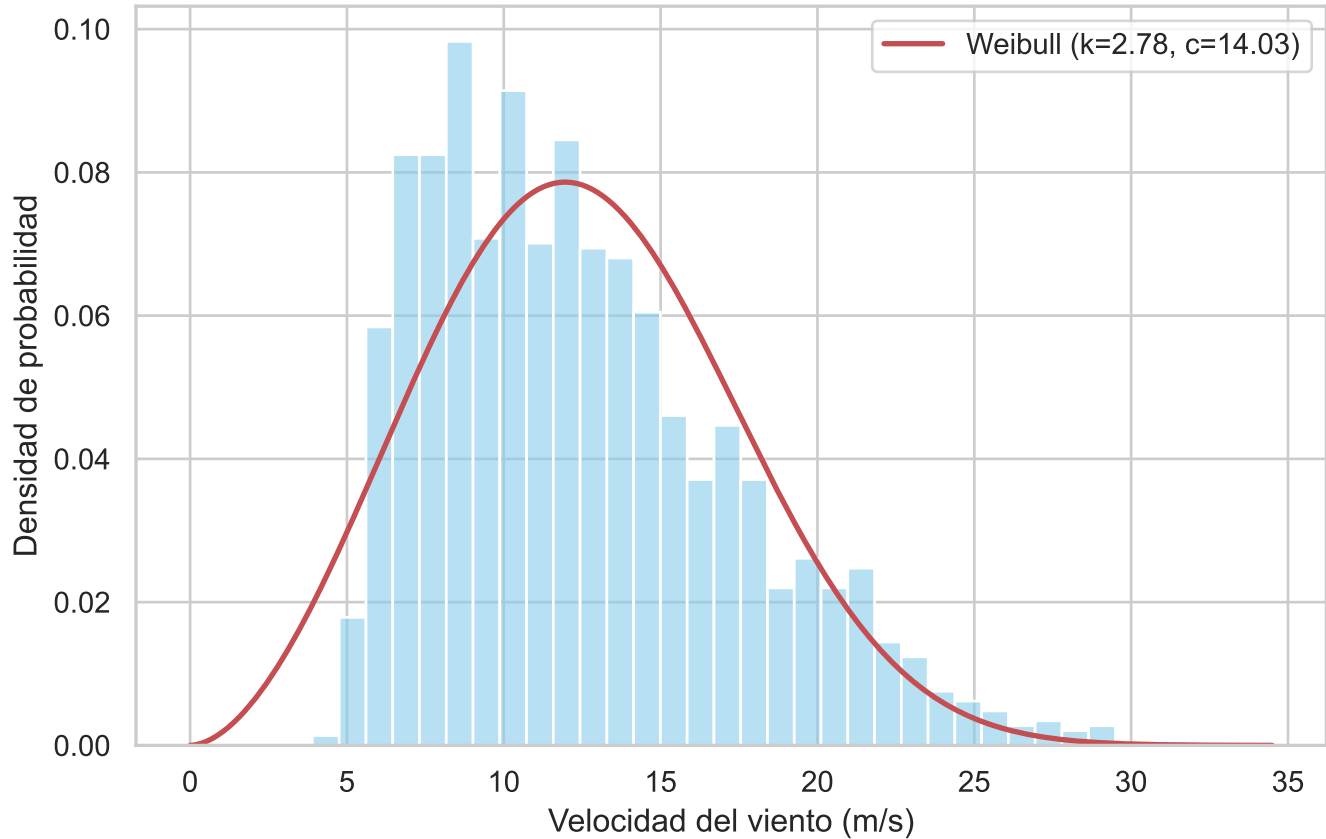
Coeficiente de Variación

Municipio	media_viento	sd_viento	CV_viento	media_temp	sd_temp	CV_temp
BARRANQUILLA	12.488	4.863	0.389	27.887	1.055	0.038
BUCARAMANGA	7.257	1.384	0.191	22.45	1.154	0.051
CARTAGENA	11.379	3.118	0.274	28.412	1.114	0.039
GIRARDOT	7.182	3.048	0.424	26.331	1.704	0.065
GUAPÍ	8.301	2.838	0.342	25.211	0.741	0.029
MEDELLÍN	8.128	2.212	0.272	22.189	2.285	0.103
MOCOA	6.449	3.073	0.477	19.068	1.853	0.097
RIOHACHA	16.84	5.562	0.33	29.28	1.746	0.06
SAN ANDRÉS	16.233	5.487	0.338	28.305	0.915	0.032
SANTA MARTA	11.331	4.191	0.37	29.08	1.284	0.044
TUMACO	12.918	4.301	0.333	25.579	0.676	0.026
VALLEDUPAR	13.978	7.168	0.513	29.532	1.787	0.061

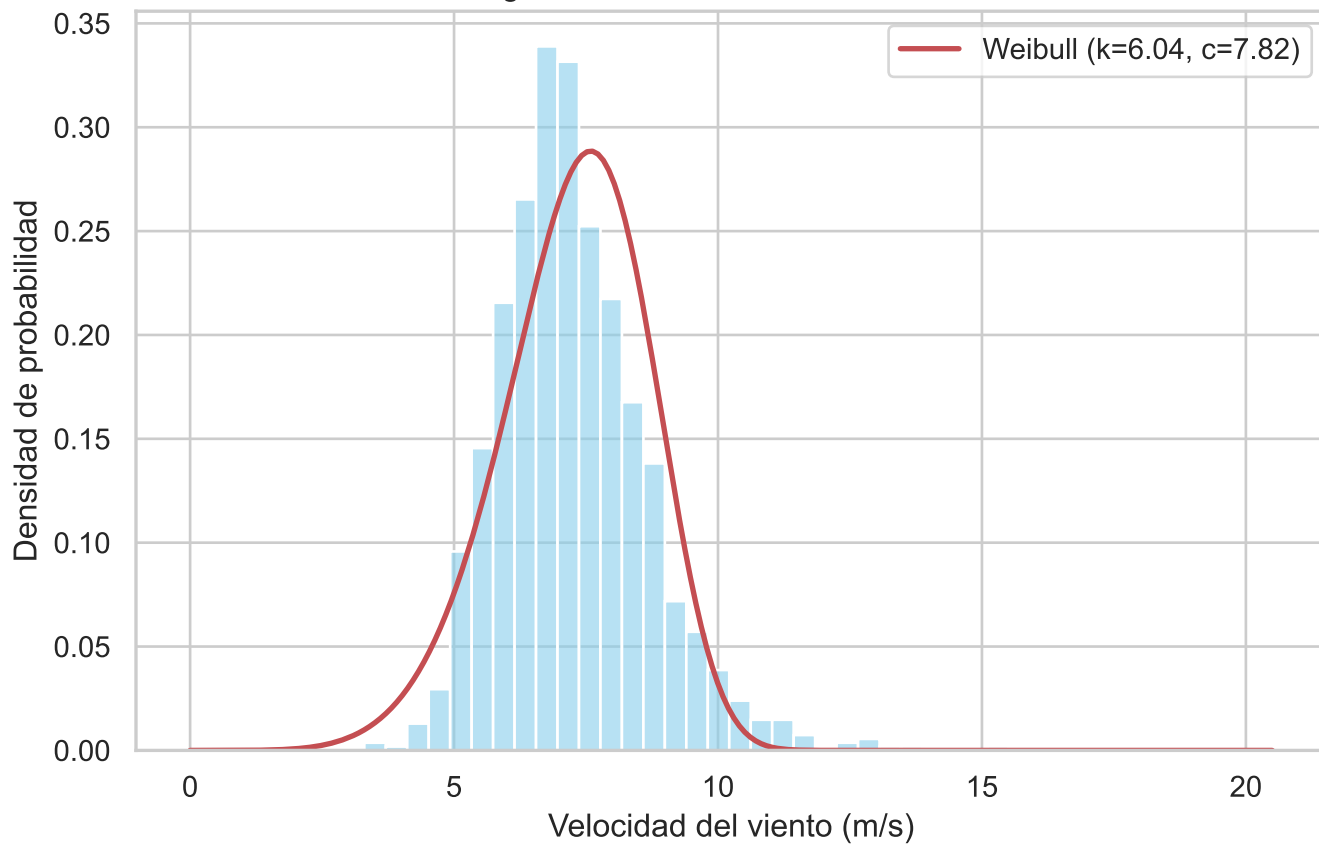
Parámetros Weibull

index	Municipio	Media Viento	SD Viento	CV Viento	k	c	vmp	vmaxE
0	BARRANQUILLA	12.488	4.863	0.389	2.785	14.027	11.956	17.037
1	BUCARAMANGA	7.257	1.384	0.191	6.045	7.819	7.588	8.197
2	CARTAGENA	11.379	3.118	0.274	4.079	12.54	11.705	13.829
3	GIRARDOT	7.182	3.048	0.424	2.537	8.092	6.641	10.176
4	GUAPÍ	8.301	2.838	0.342	3.207	9.267	8.248	10.778
5	MEDELLÍN	8.128	2.212	0.272	4.109	8.953	8.366	9.86
6	MOCOA	6.449	3.073	0.477	2.237	7.281	5.587	9.688
7	RIOHACHA	16.84	5.562	0.33	3.33	18.764	16.857	21.611
8	SAN ANDRÉS	16.233	5.487	0.338	3.248	18.111	16.171	20.995
9	SANTA MARTA	11.331	4.191	0.37	2.945	12.699	11.031	15.143
10	TUMACO	12.918	4.301	0.333	3.302	14.401	12.91	16.622
11	VALLEDUPAR	13.978	7.168	0.513	2.065	15.78	11.453	21.902

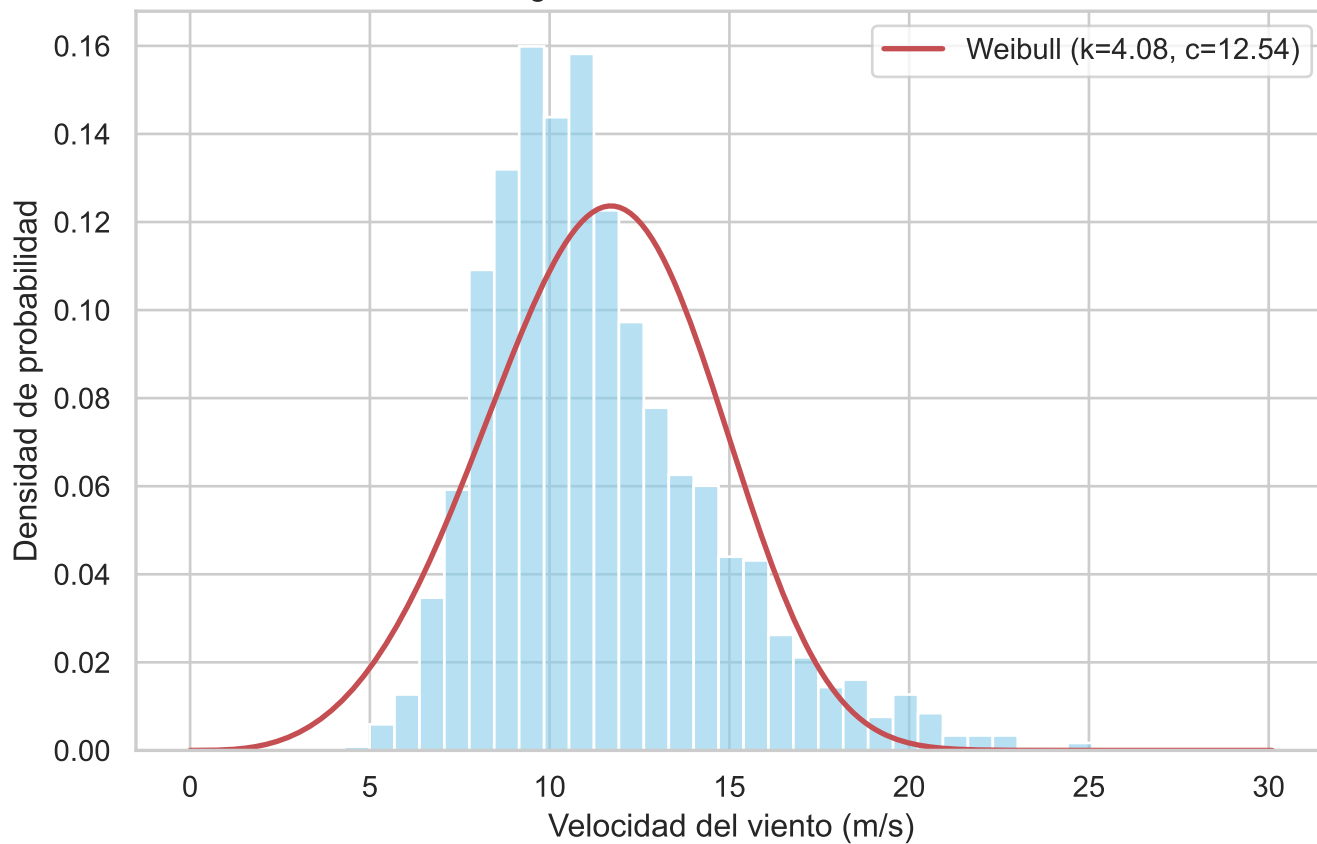
Histograma vs Weibull – BARRANQUILLA



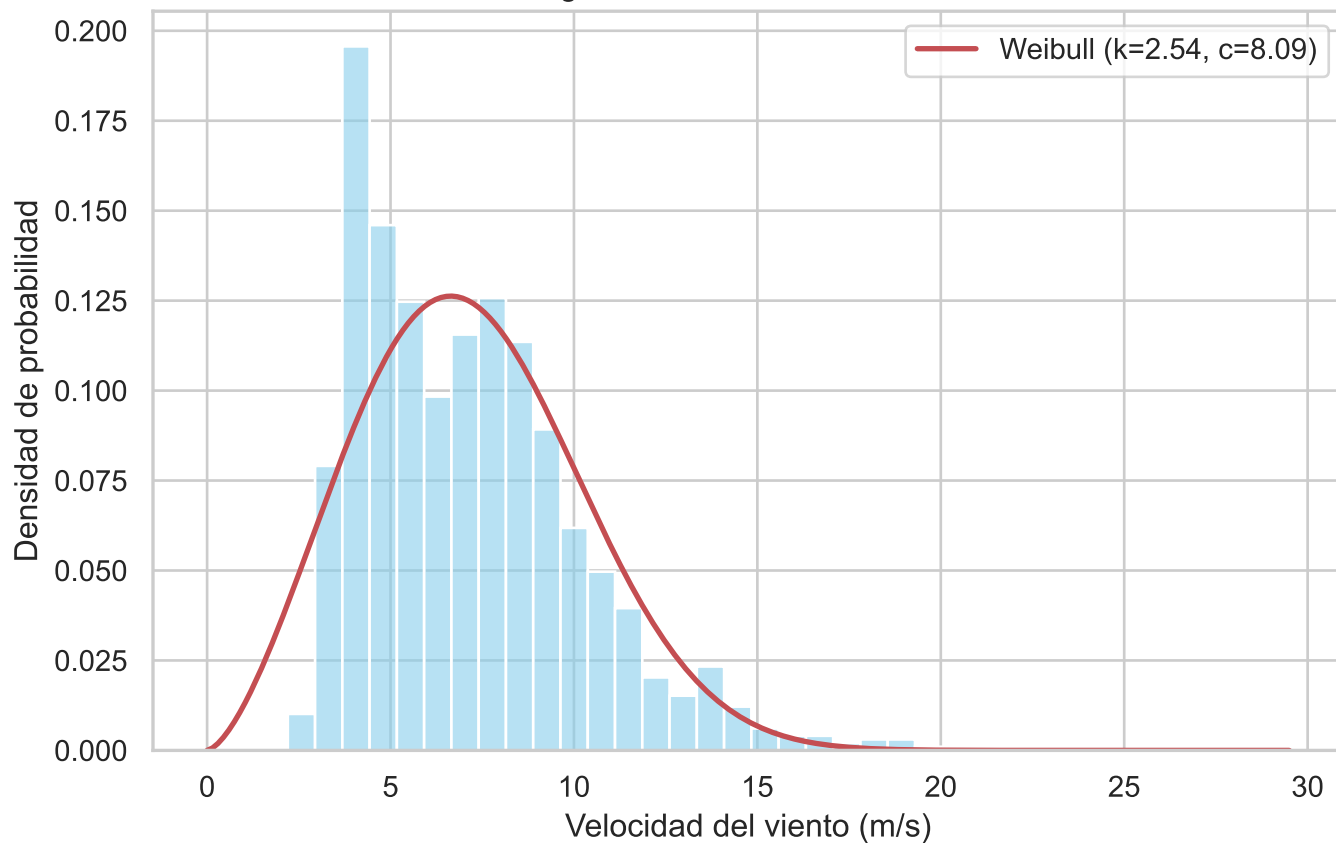
Histograma vs Weibull – BUCARAMANGA



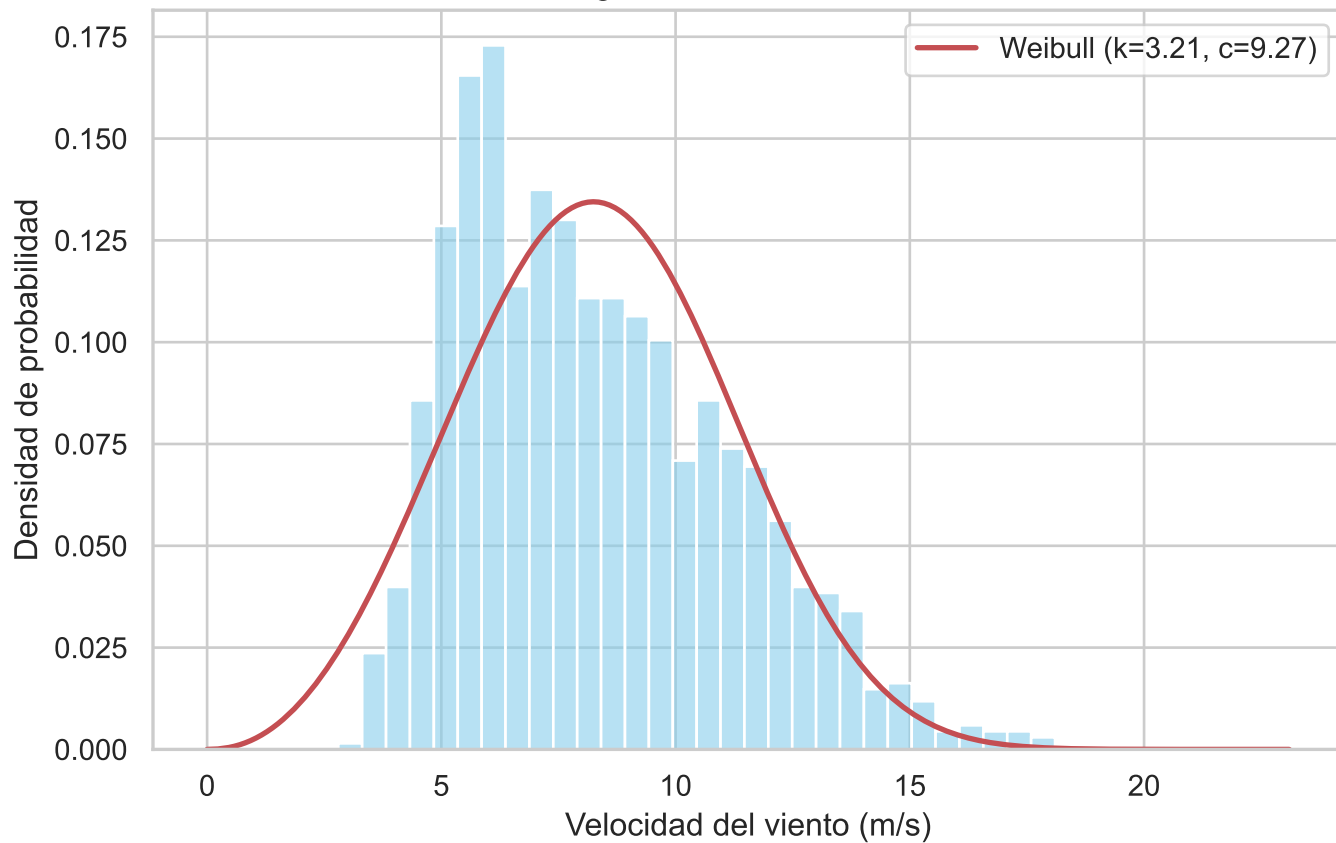
Histograma vs Weibull – CARTAGENA



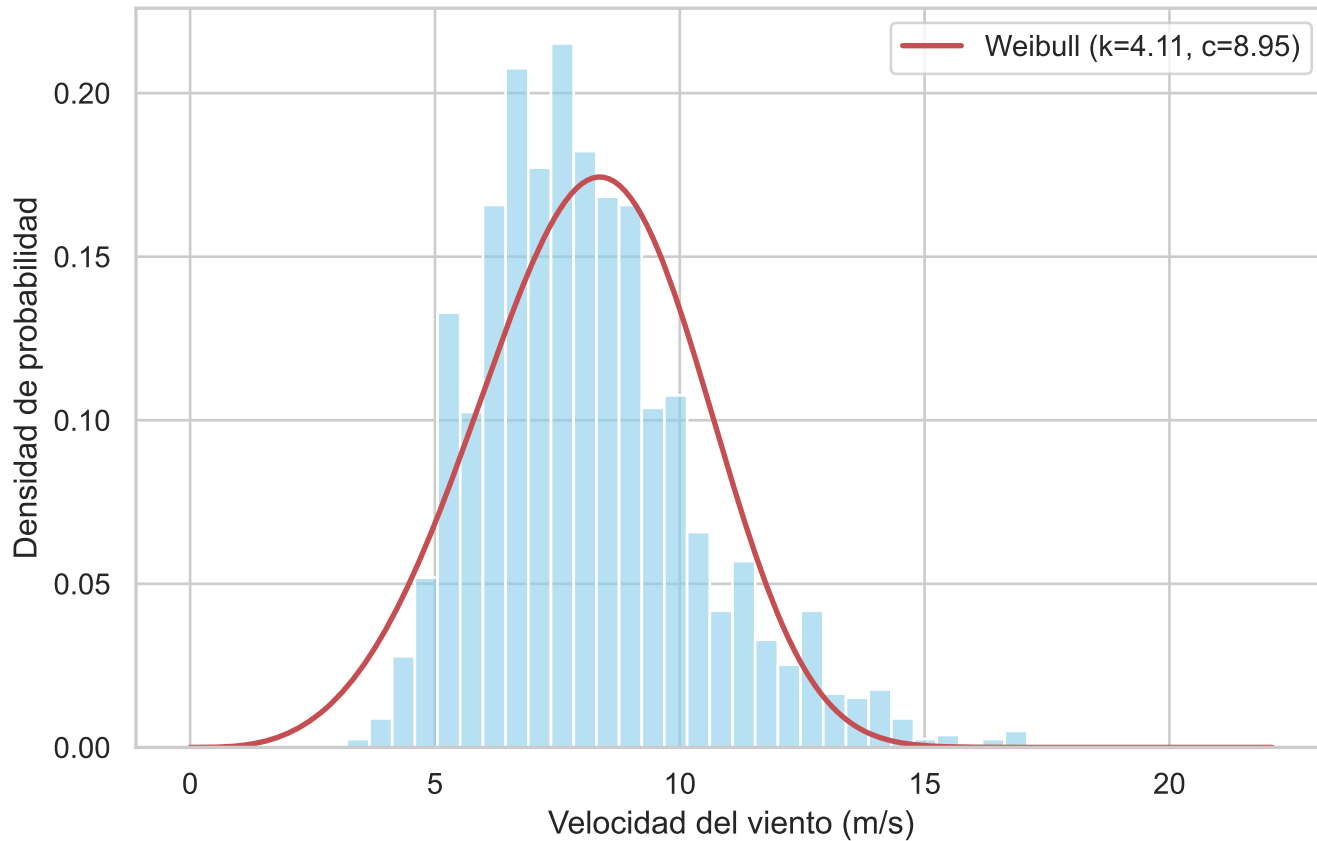
Histograma vs Weibull – GIRARDOT



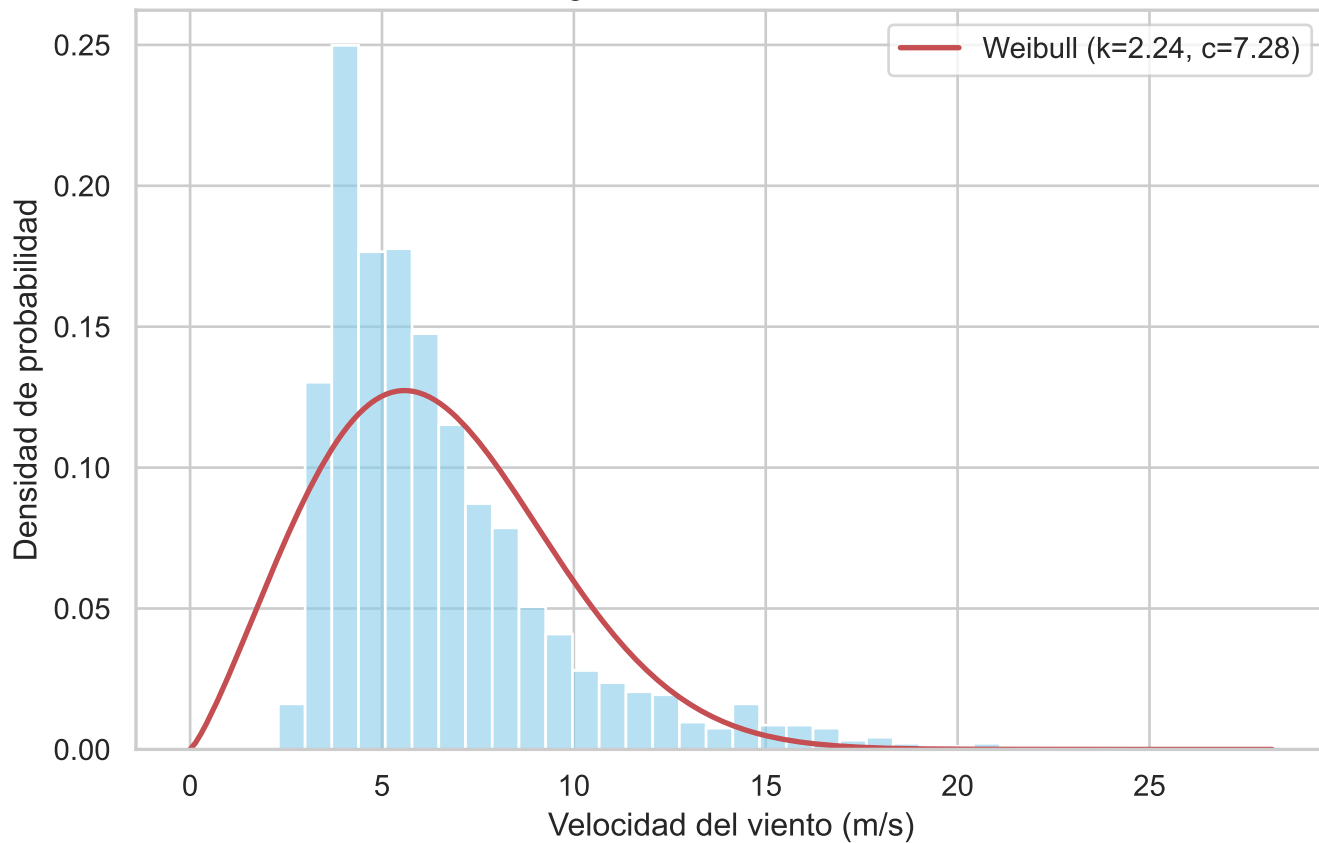
Histograma vs Weibull – GUAPÍ



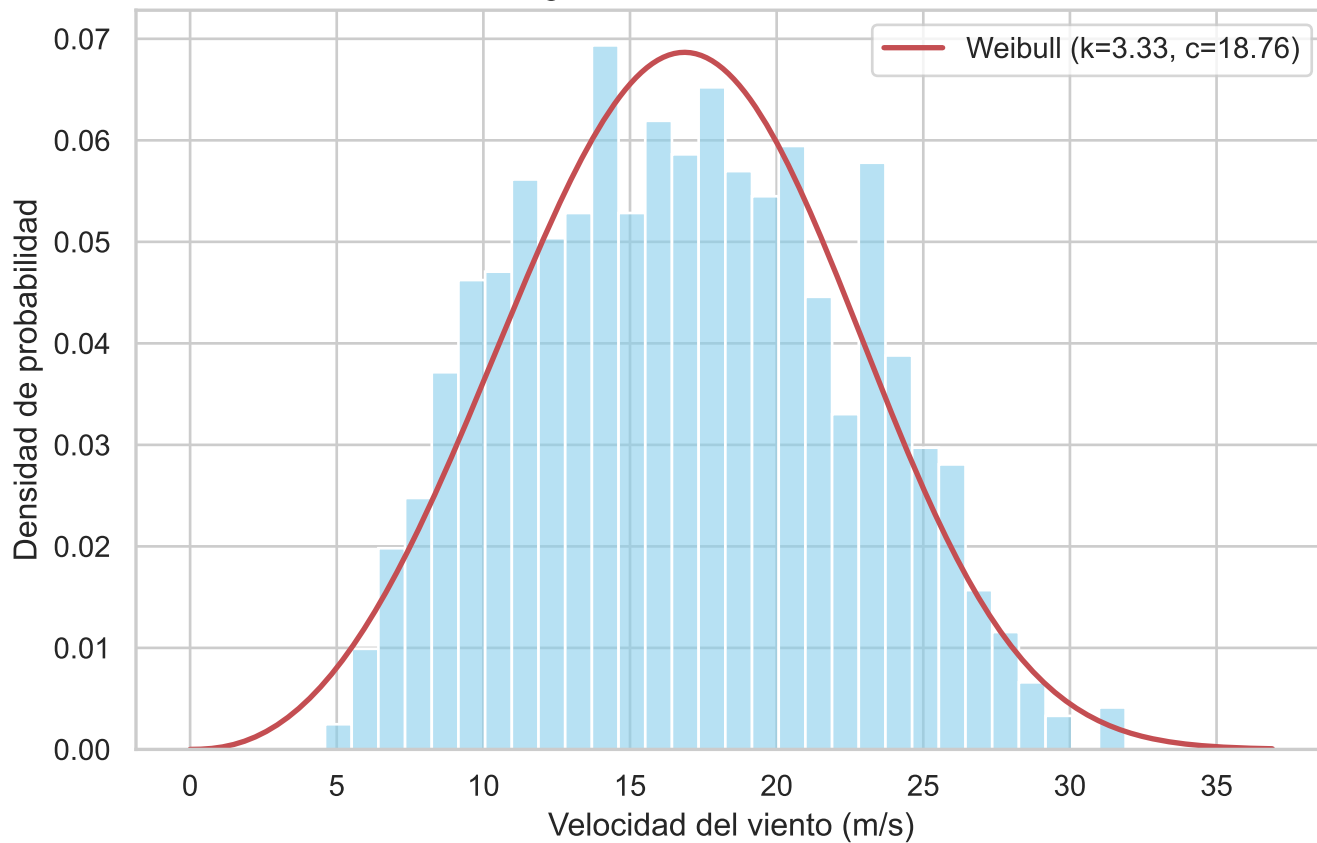
Histograma vs Weibull – MEDELLÍN



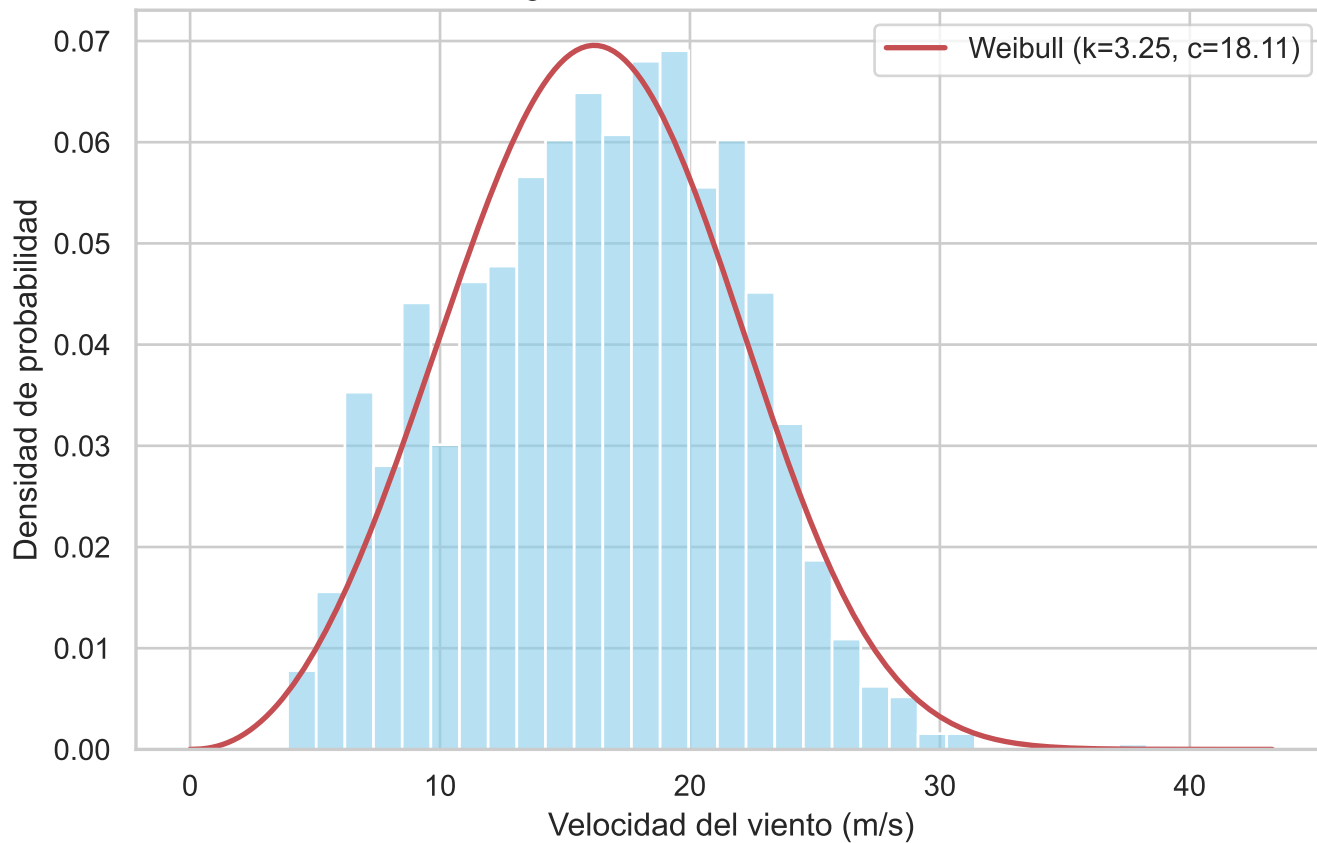
Histograma vs Weibull – MOCO A



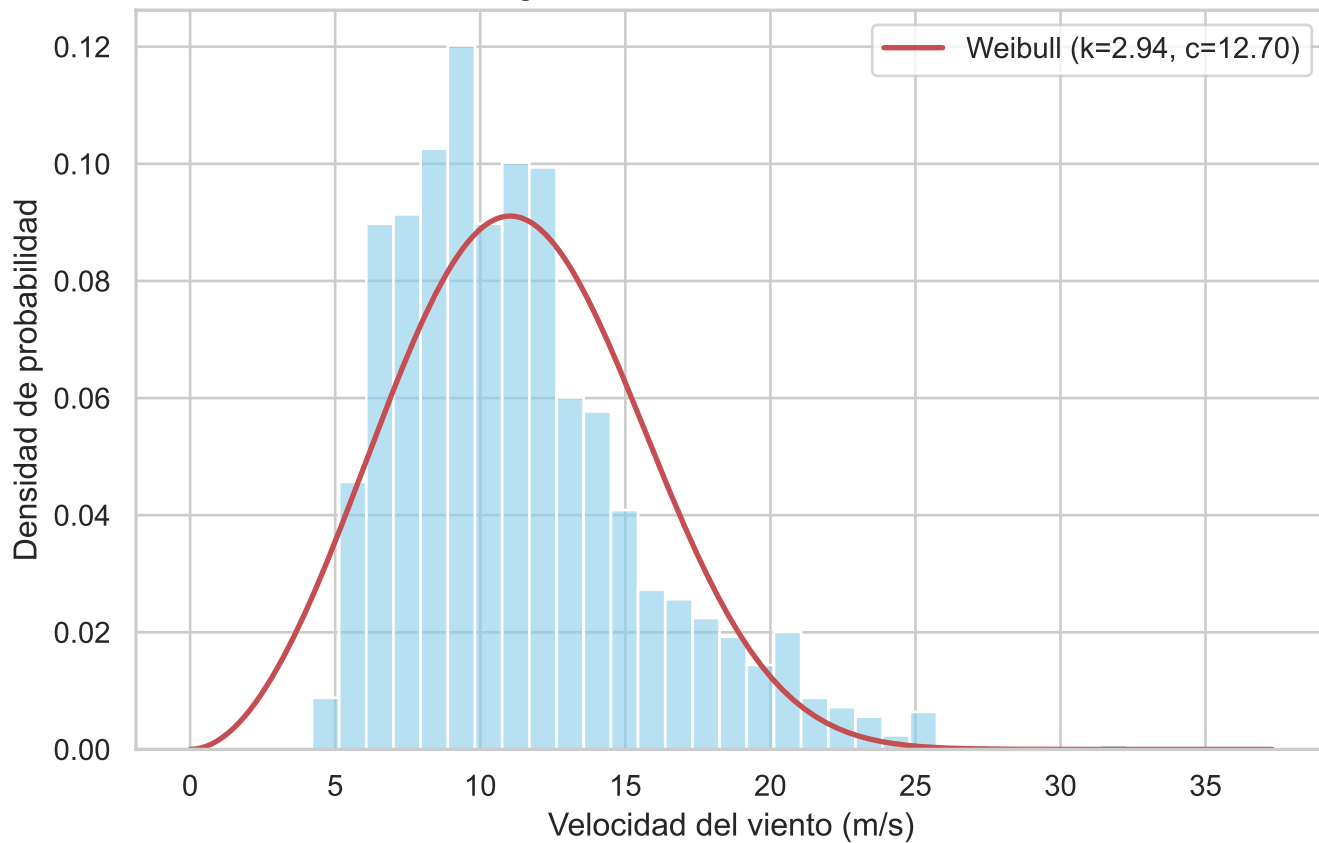
Histograma vs Weibull – RIOHACHA



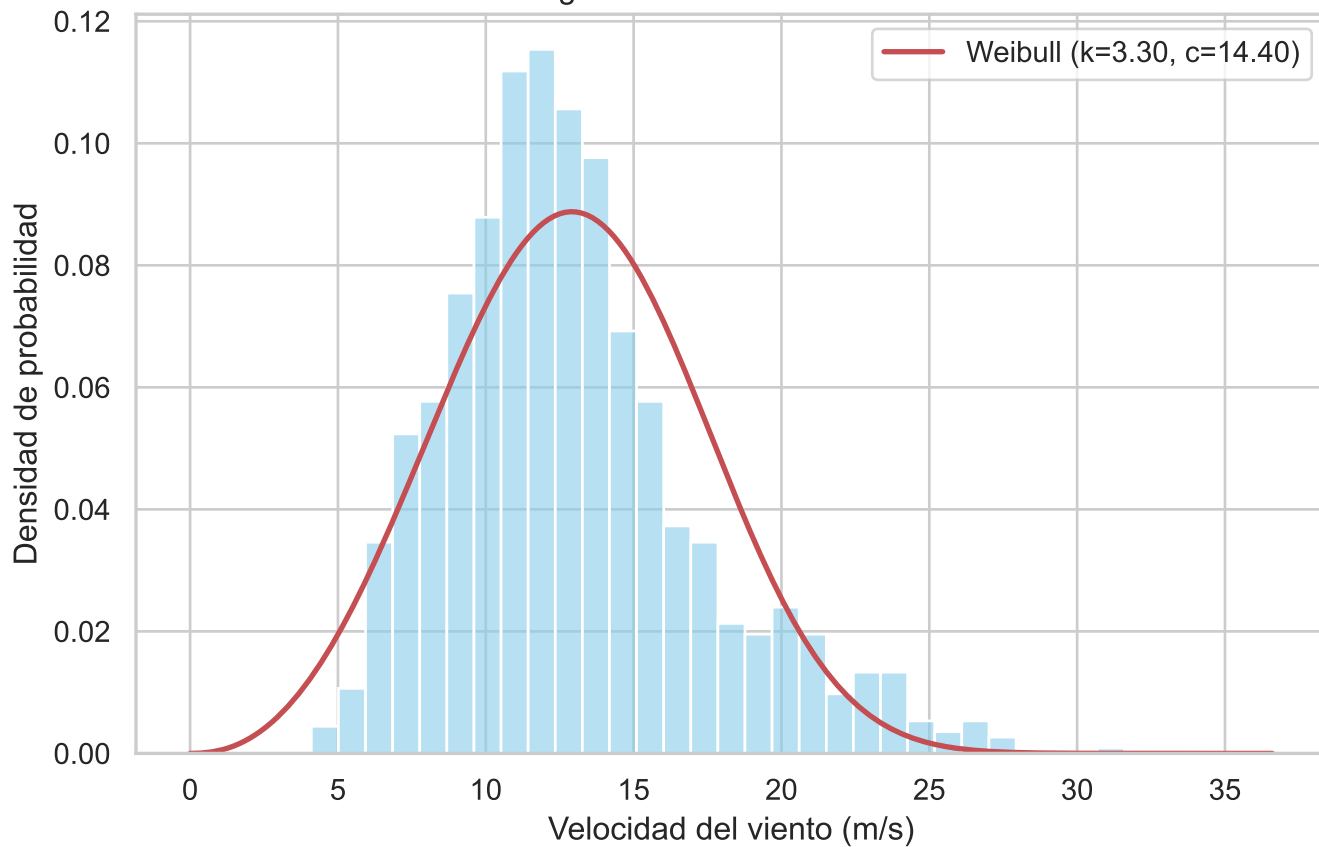
Histograma vs Weibull – SAN ANDRÉS



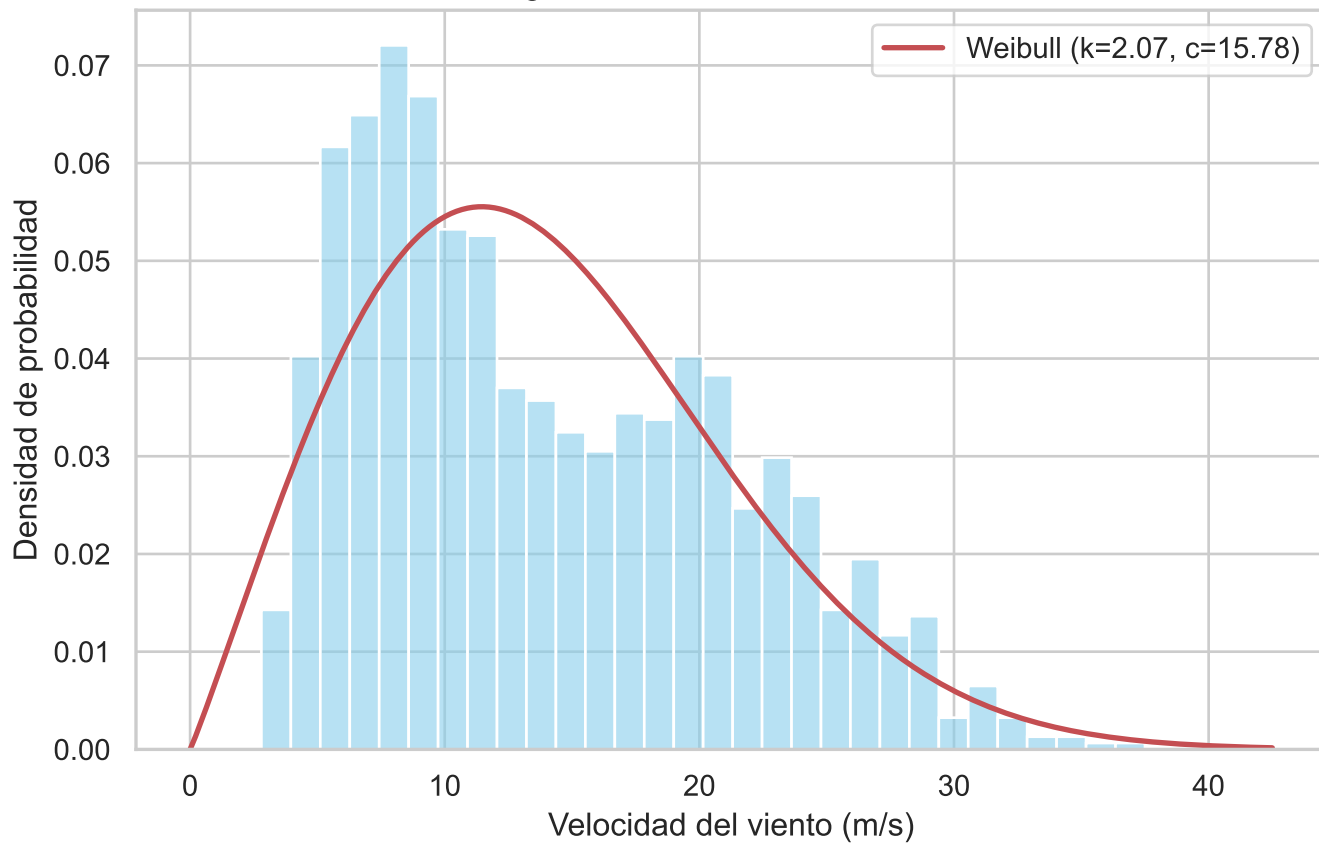
Histograma vs Weibull – SANTA MARTA



Histograma vs Weibull – TUMACO



Histograma vs Weibull – VALLEDUPAR



Cuartiles y RIC

Municipio	Q1	Q3	RIC
BARRANQUILLA	8.6	15.5	6.9
BUCARAMANGA	6.3	8.0	1.7
CARTAGENA	9.2	13.0	3.8
GIRARDOT	4.6	8.85	4.25
GUAPÍ	6.0	10.2	4.2
MEDELLÍN	6.6	9.3	2.7
MOCOA	4.2	7.6	3.4
RIOHACHA	12.45	20.9	8.45
SAN ANDRÉS	12.2	20.3	8.1
SANTA MARTA	8.4	13.5	5.1
TUMACO	10.0	15.0	5.0
VALLEDUPAR	8.0	19.4	11.4

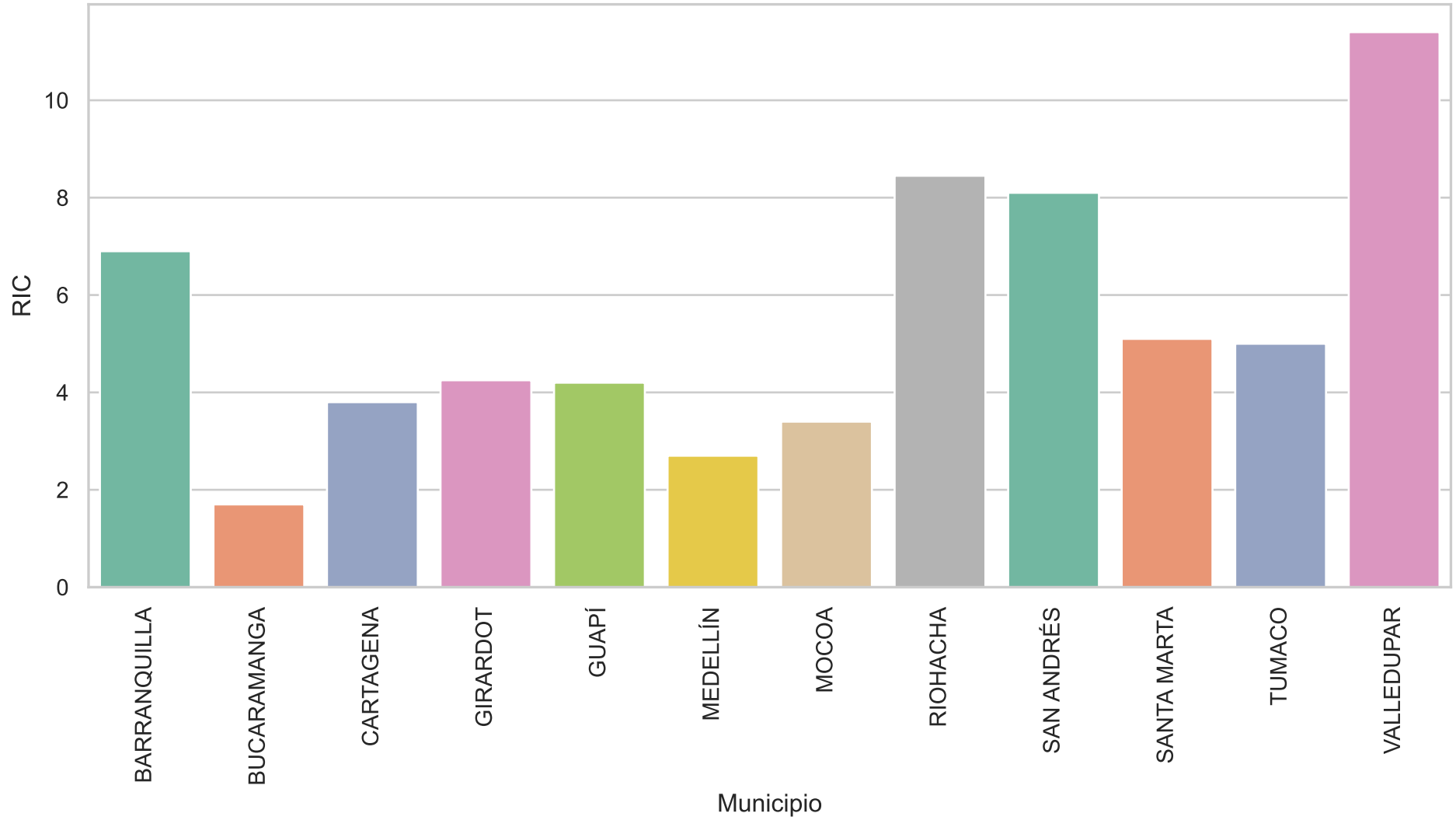
Probabilidad entre Q1 y Q3

Municipio	Prob(Q1-Q3)
BARRANQUILLA	0.5071
BUCARAMANGA	0.4455
CARTAGENA	0.4397
GIRARDOT	0.5026
GUAPÍ	0.5238
MEDELLÍN	0.4408
MOCOA	0.414
RIOHACHA	0.536
SAN ANDRÉS	0.523
SANTA MARTA	0.4417
TUMACO	0.4223
VALLEDUPAR	0.5659

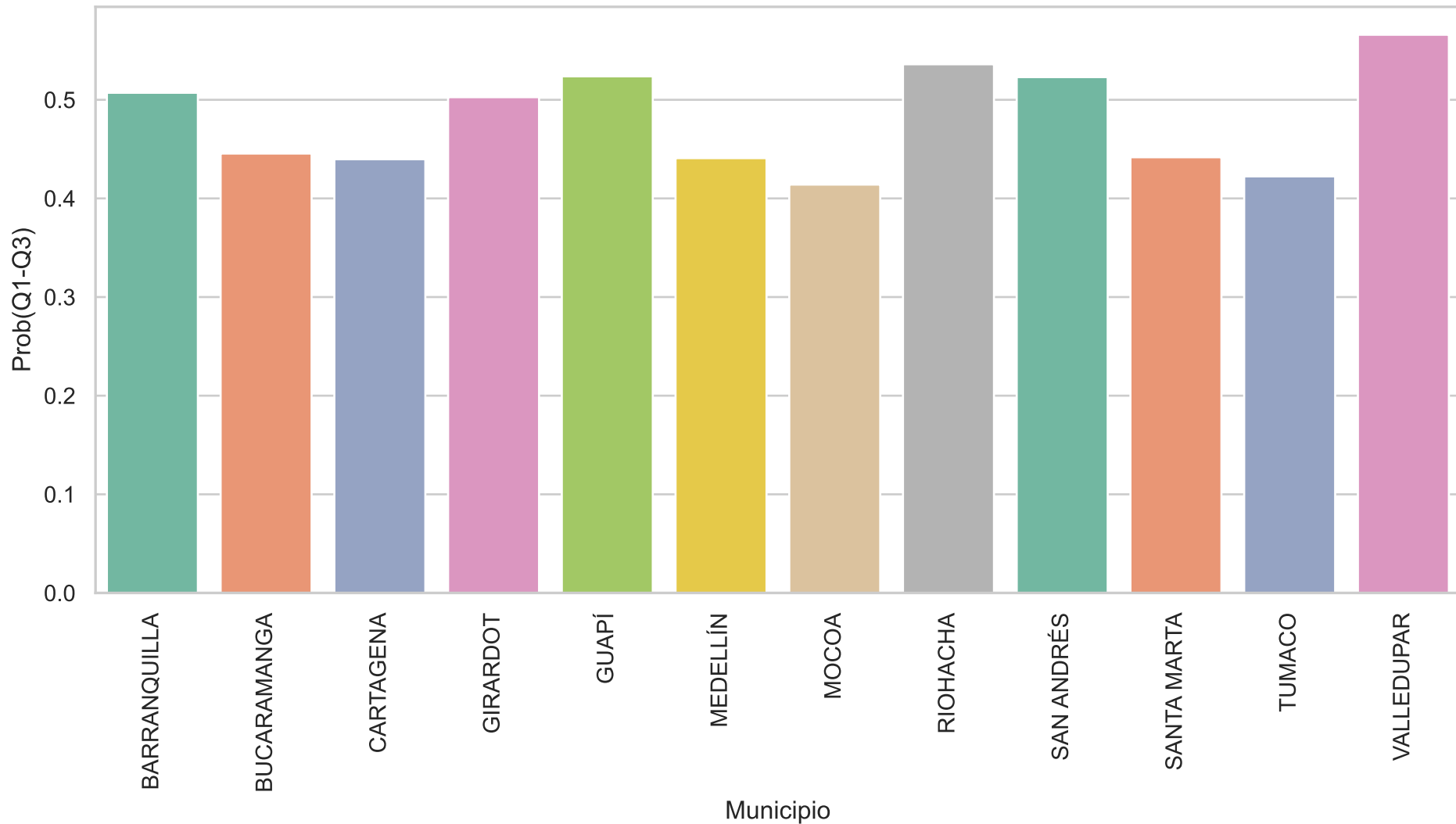
Probabilidad de superar Percentil 60

Municipio	v60	Prob>v60
BARRANQUILLA	13.5938	0.4
BUCARAMANGA	7.7065	0.4
CARTAGENA	12.2745	0.4
GIRARDOT	7.8175	0.4
GUAPÍ	9.0174	0.4
MEDELLÍN	8.7646	0.4
MOCOA	7.0021	0.4
RIOHACHA	18.2782	0.4
SAN ANDRÉS	17.6303	0.4
SANTA MARTA	12.3278	0.4
TUMACO	14.0246	0.4
VALLEDUPAR	15.126	0.4

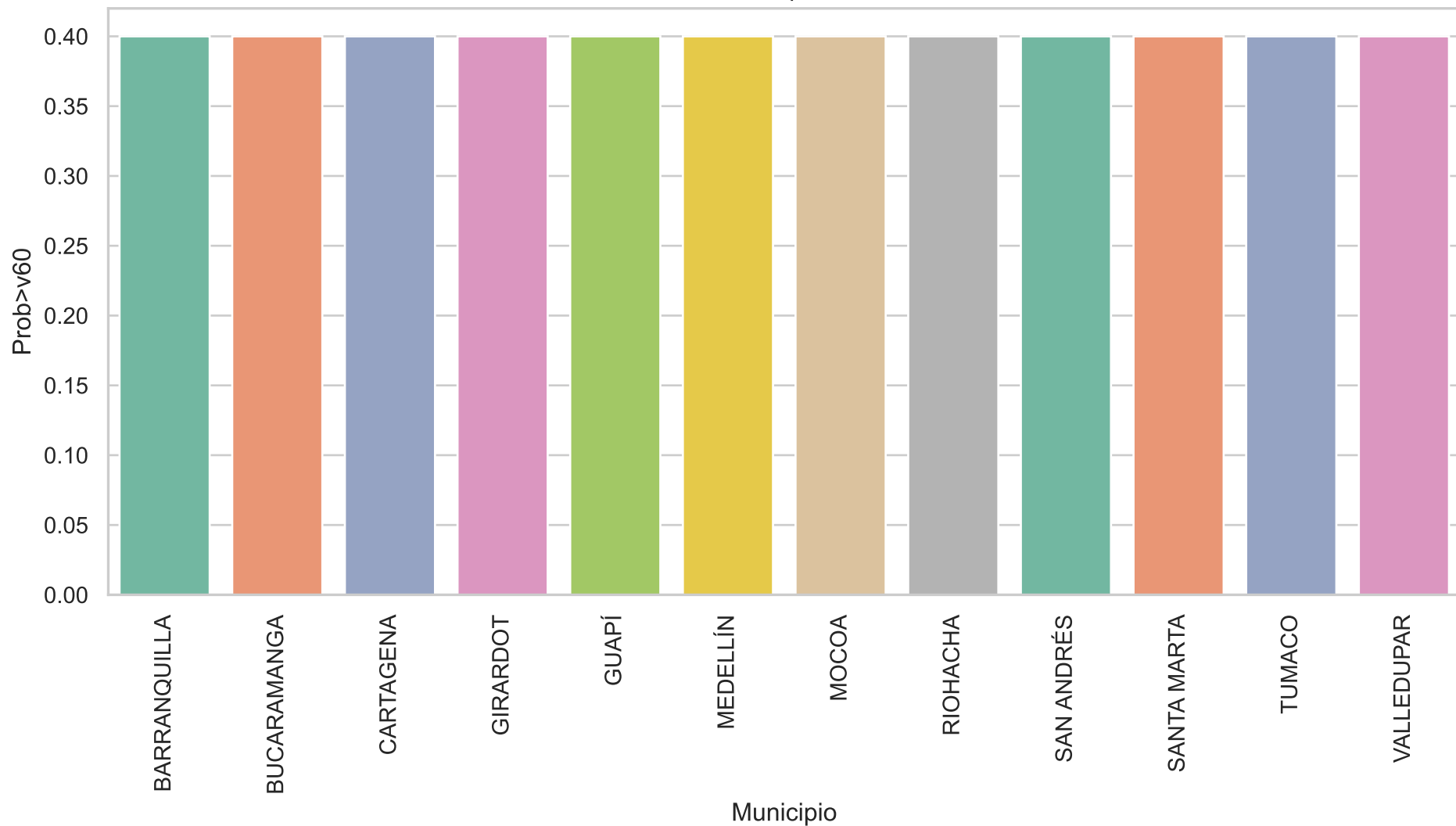
Comparación del RIC



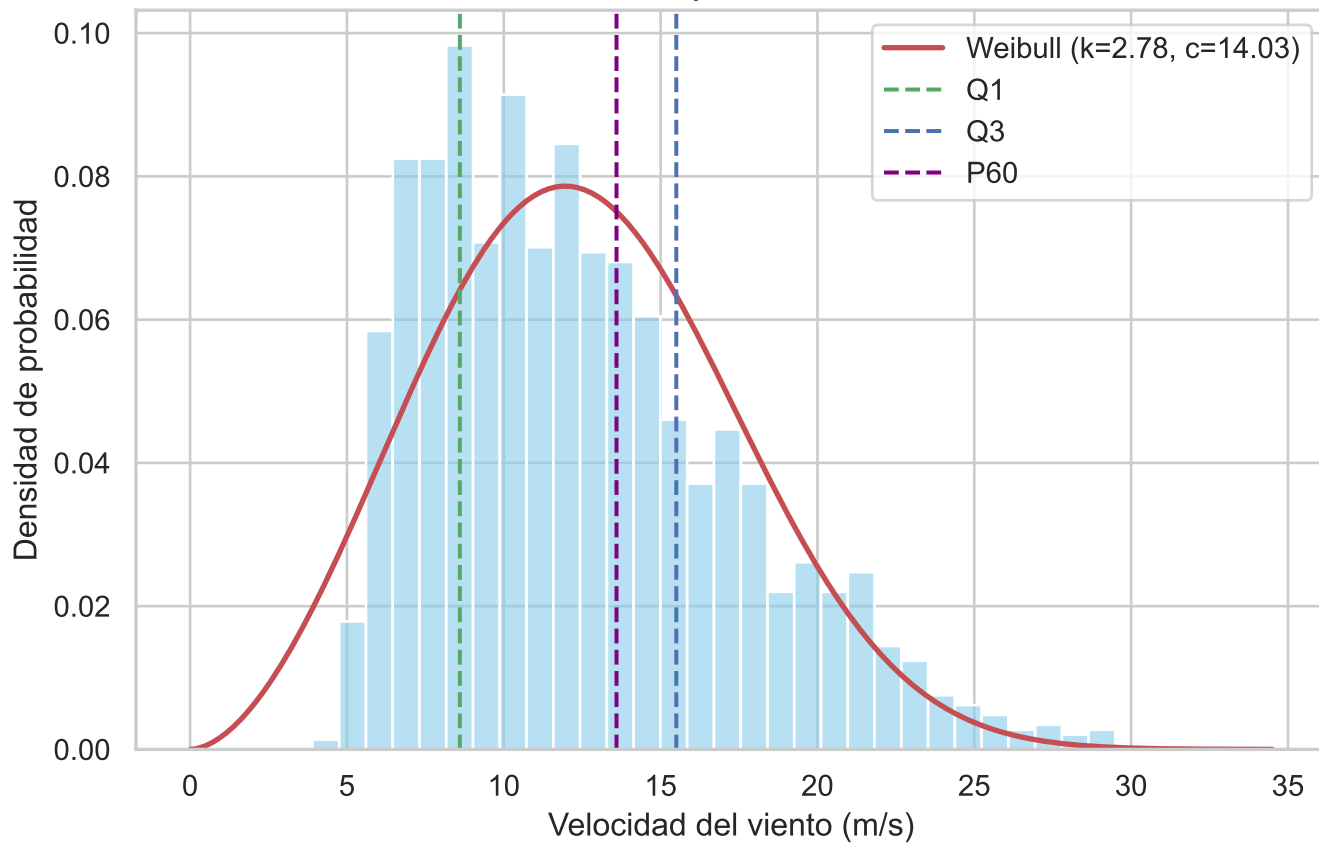
Probabilidad entre Q1 y Q3



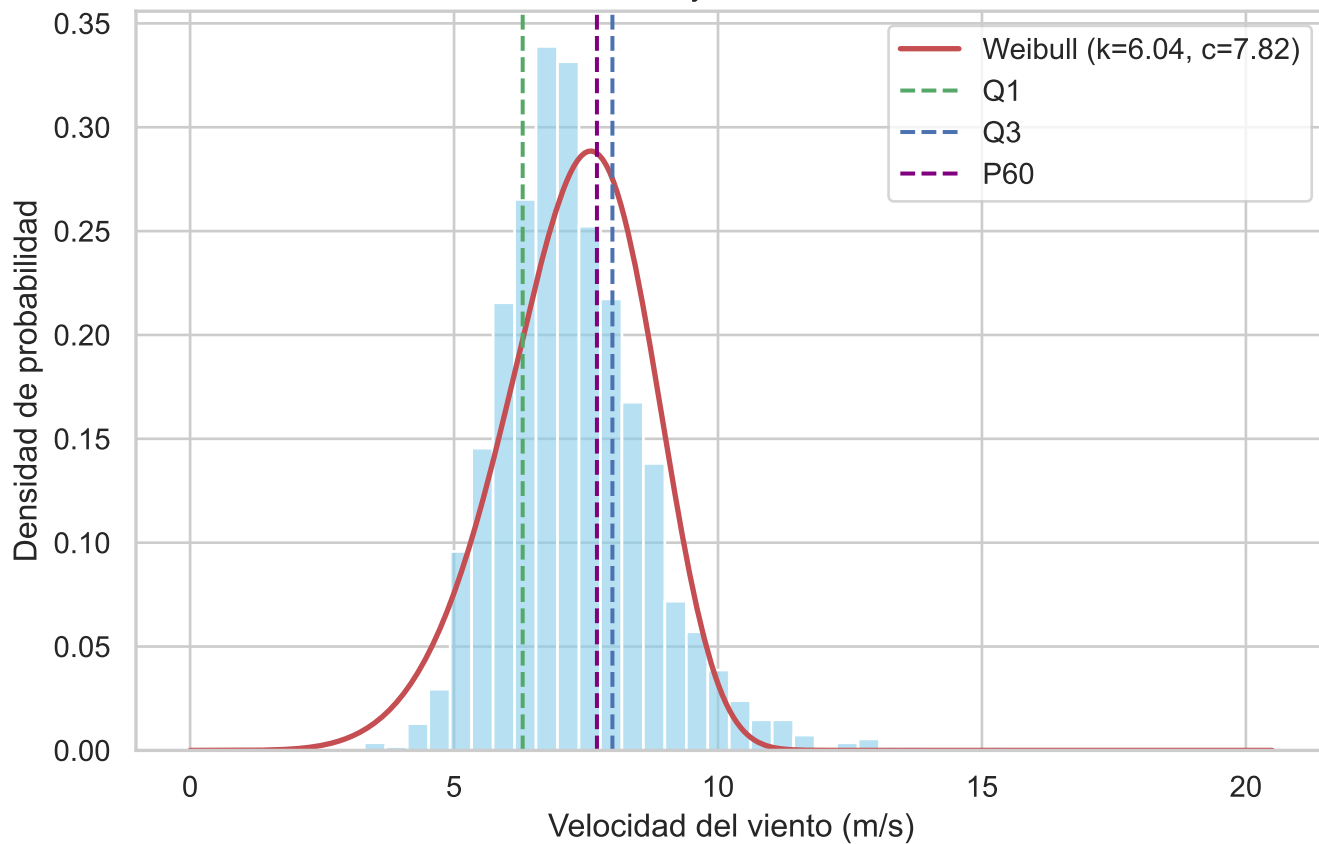
Probabilidad de superar Percentil 60



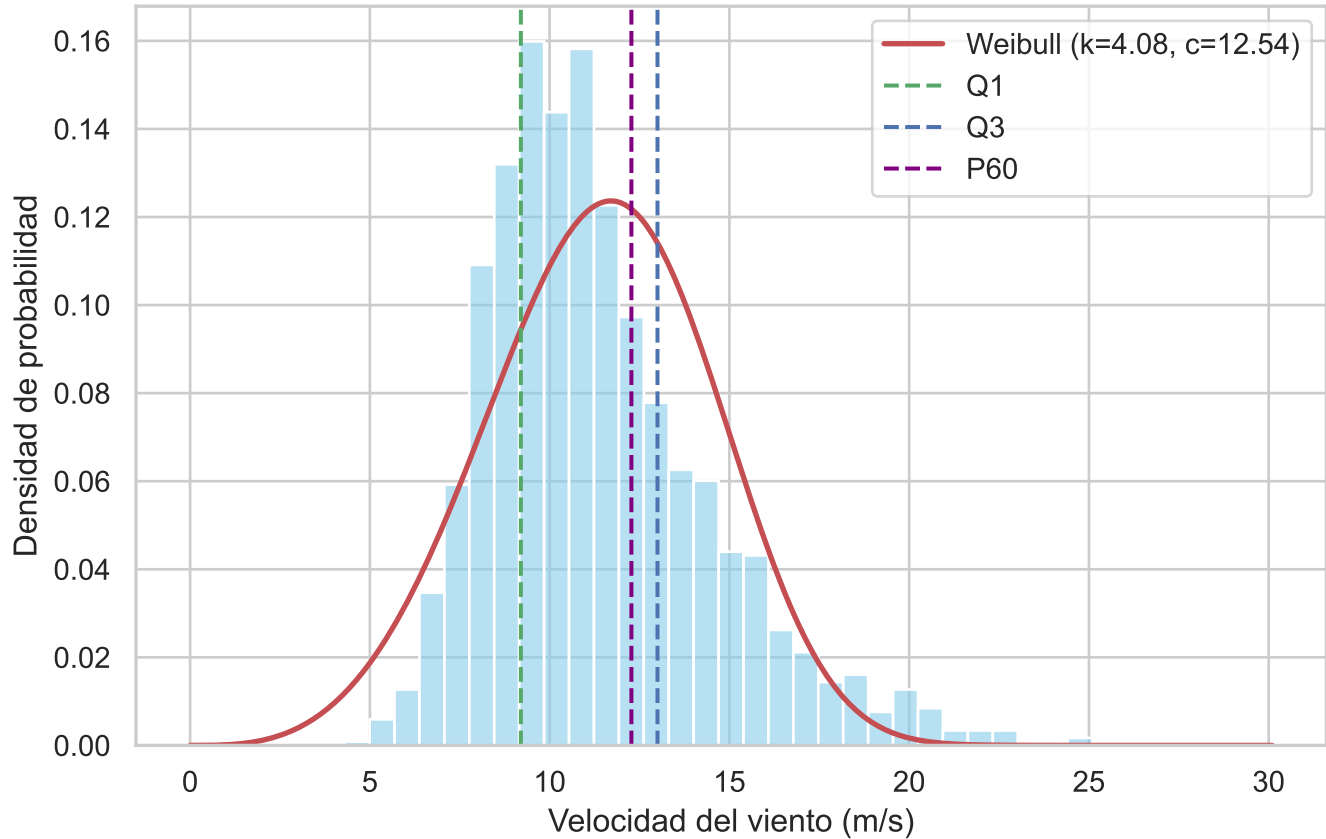
Weibull con Q1, Q3 y P60 – BARRANQUILLA



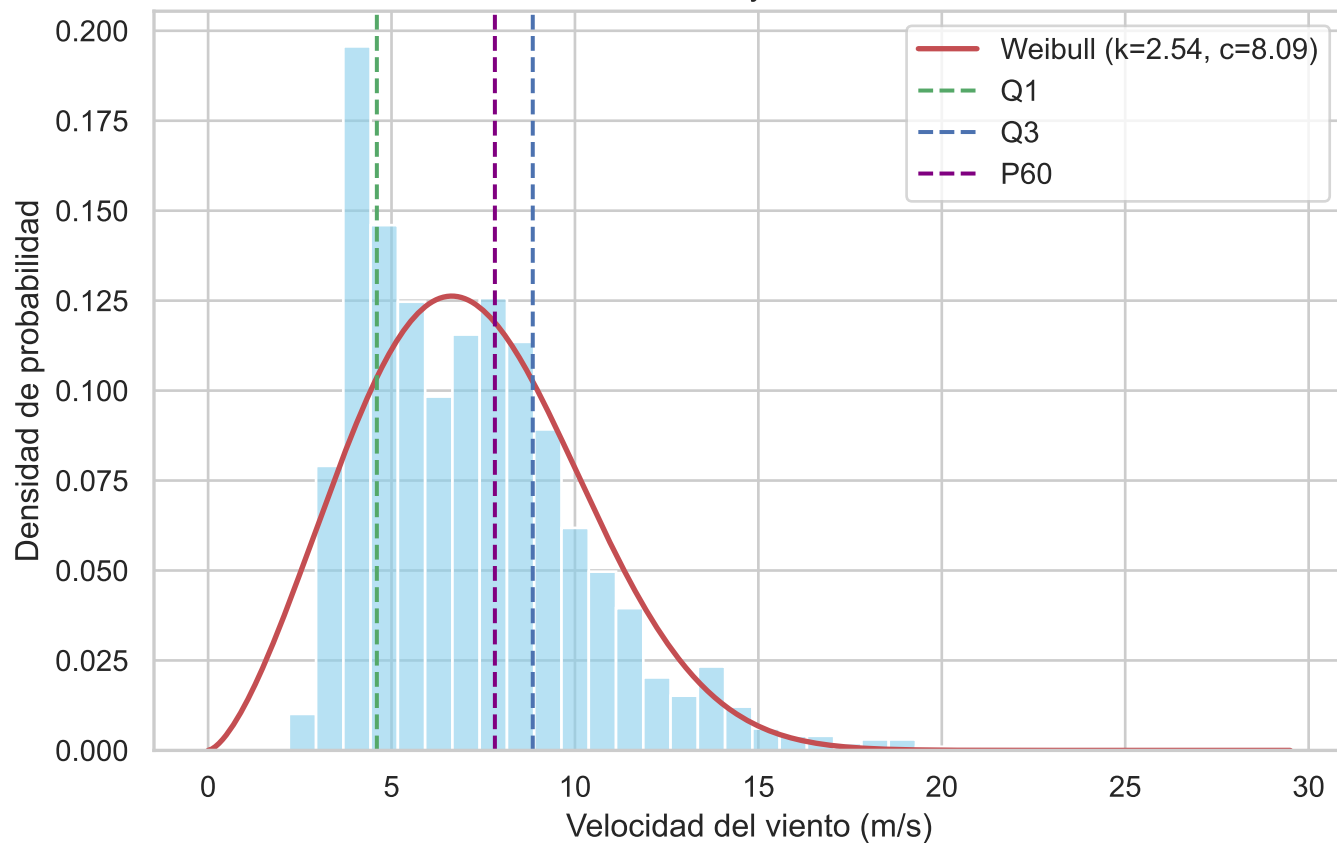
Weibull con Q1, Q3 y P60 – BUCARAMANGA



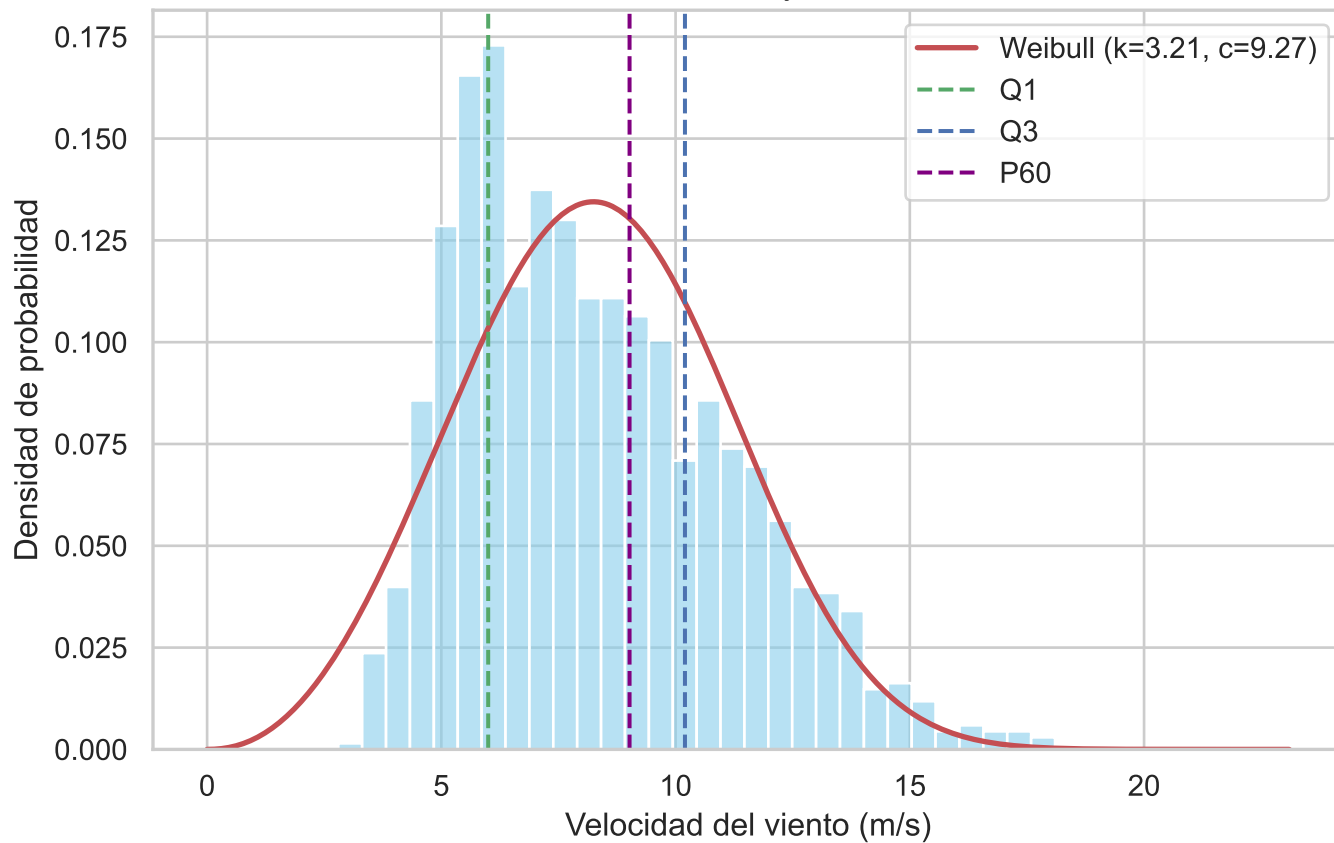
Weibull con Q1, Q3 y P60 – CARTAGENA



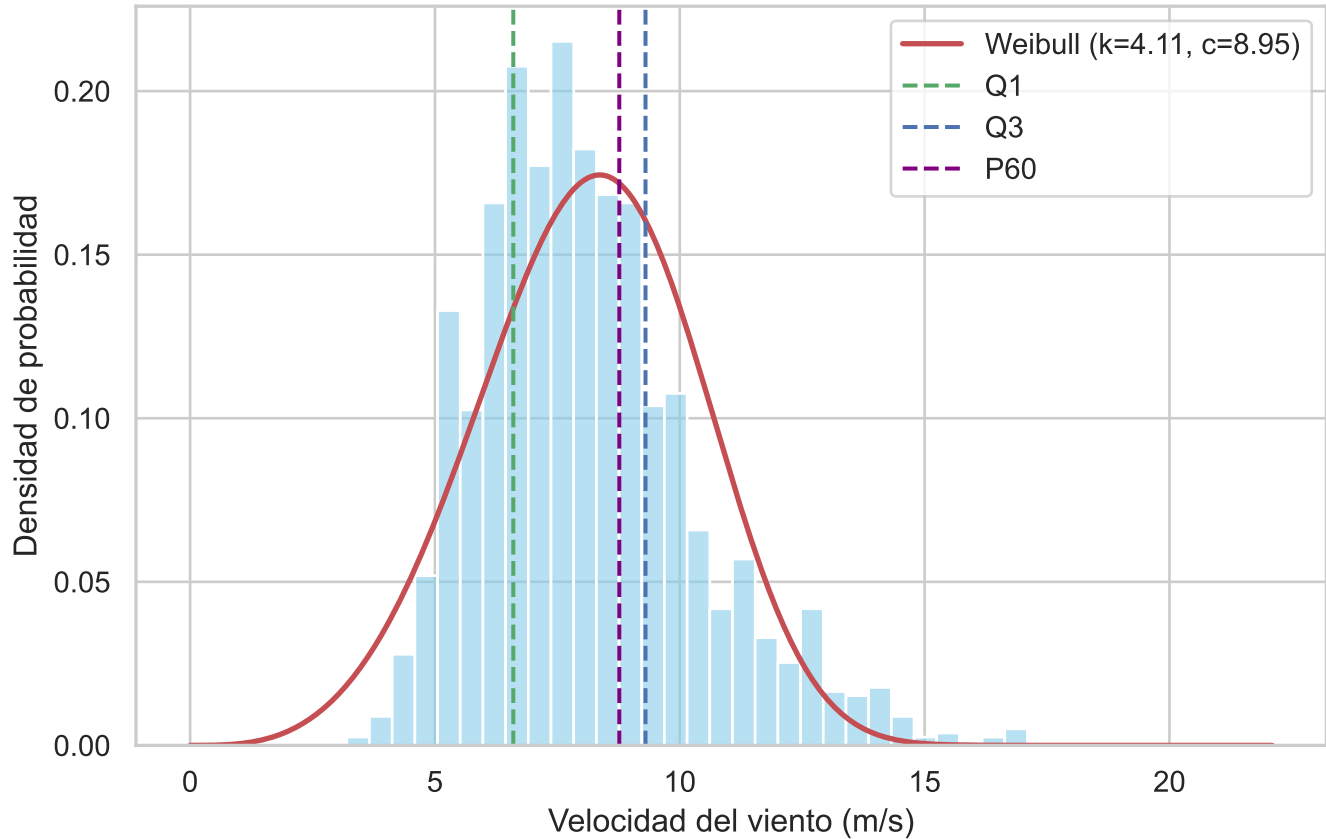
Weibull con Q1, Q3 y P60 – GIRARDOT



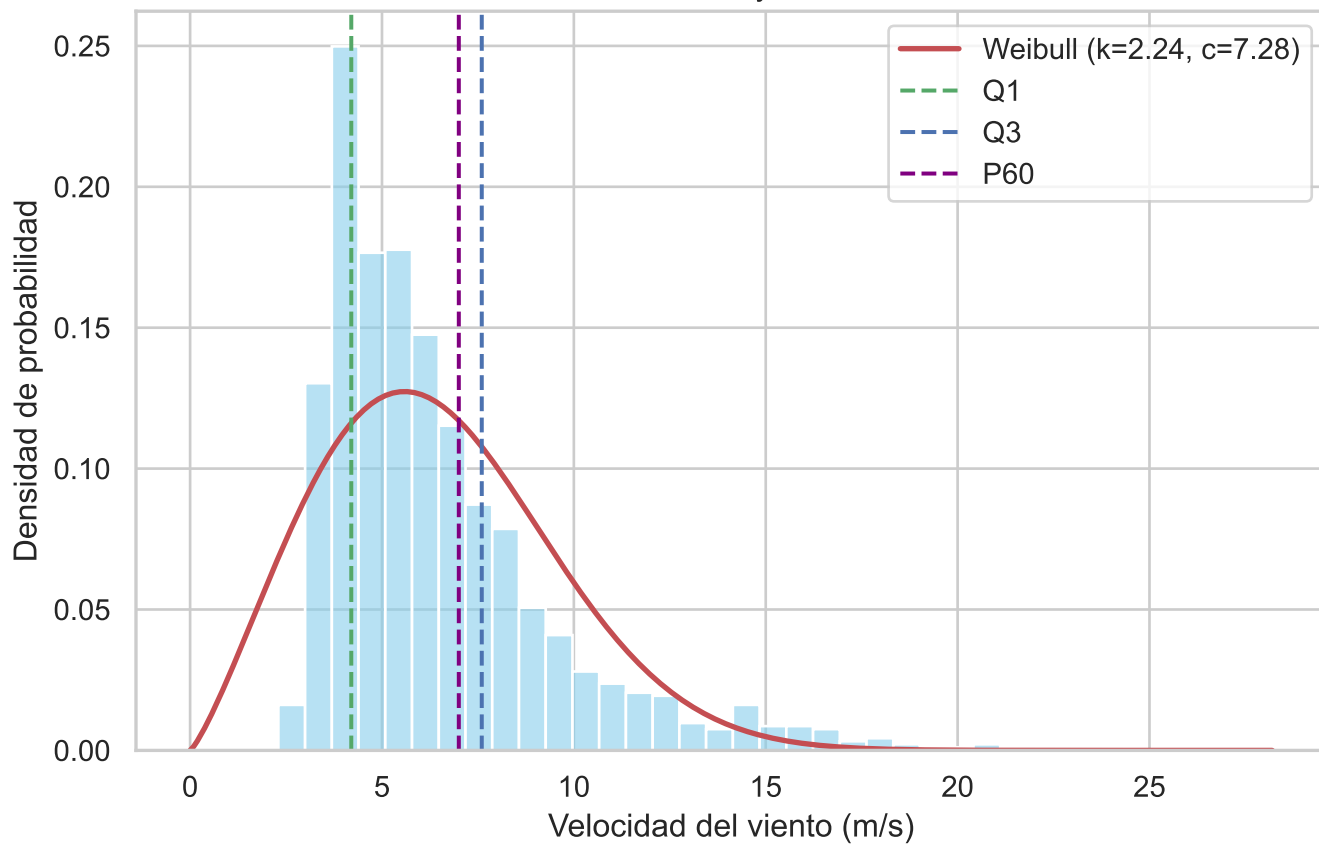
Weibull con Q1, Q3 y P60 – GUAPÍ



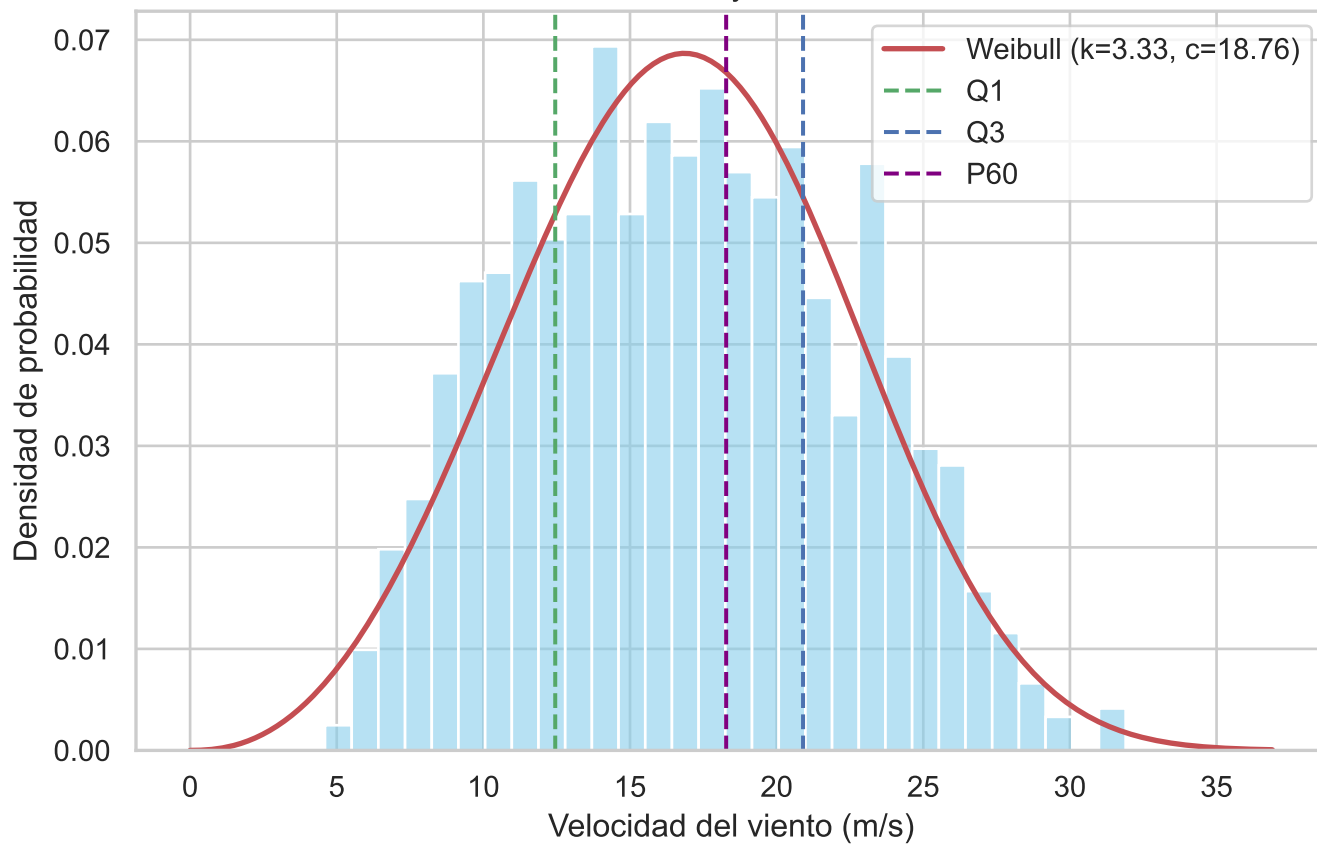
Weibull con Q1, Q3 y P60 – MEDELLÍN



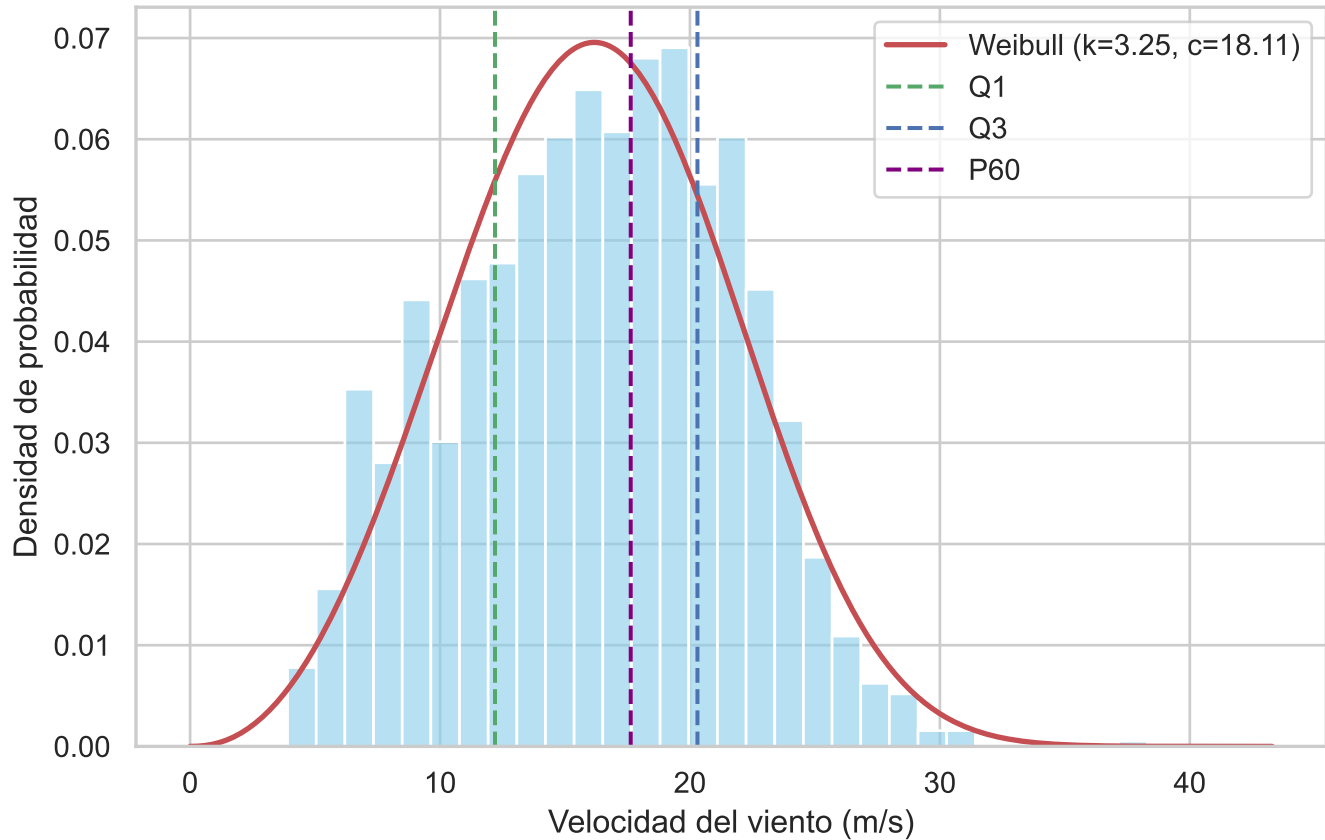
Weibull con Q1, Q3 y P60 – MOCOIA



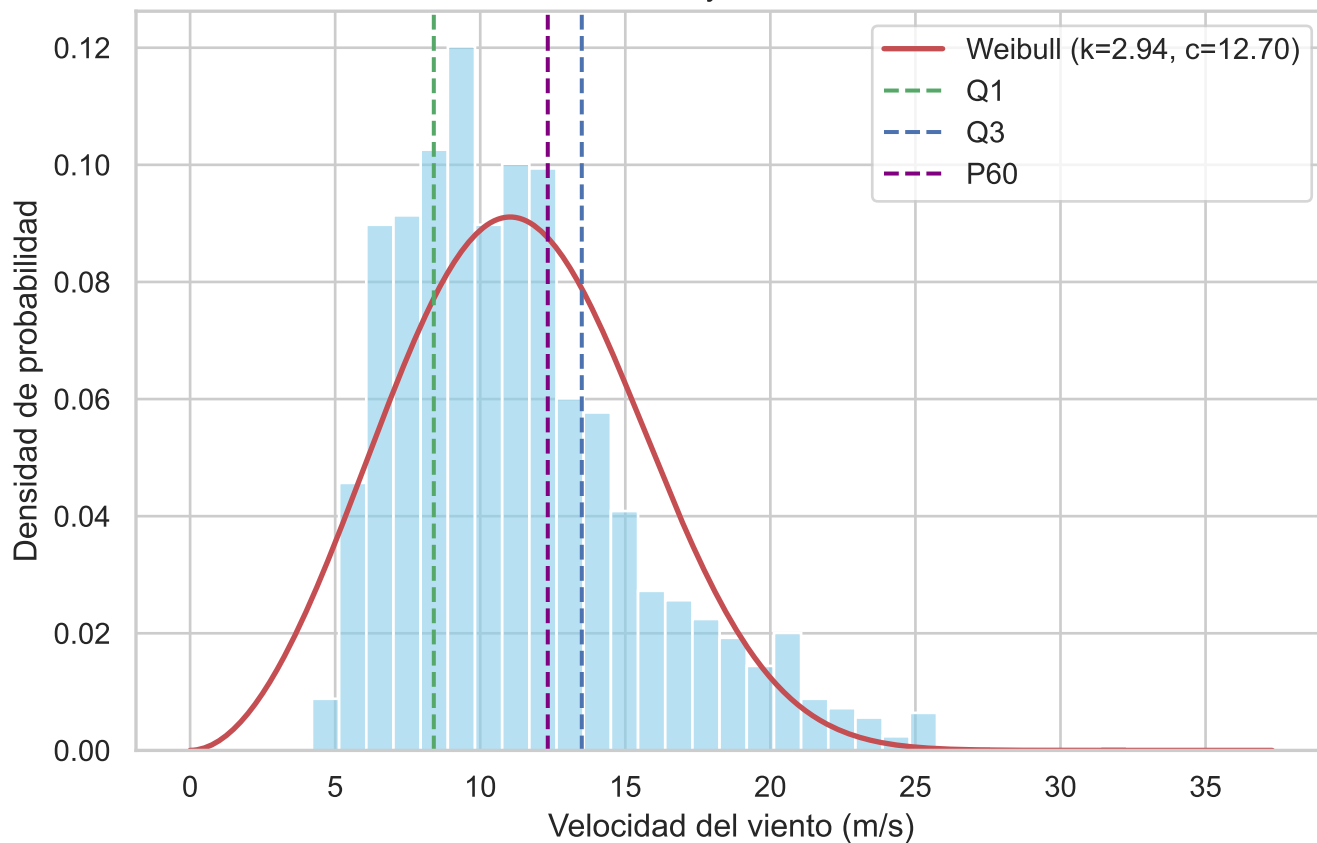
Weibull con Q1, Q3 y P60 – RIOHACHA



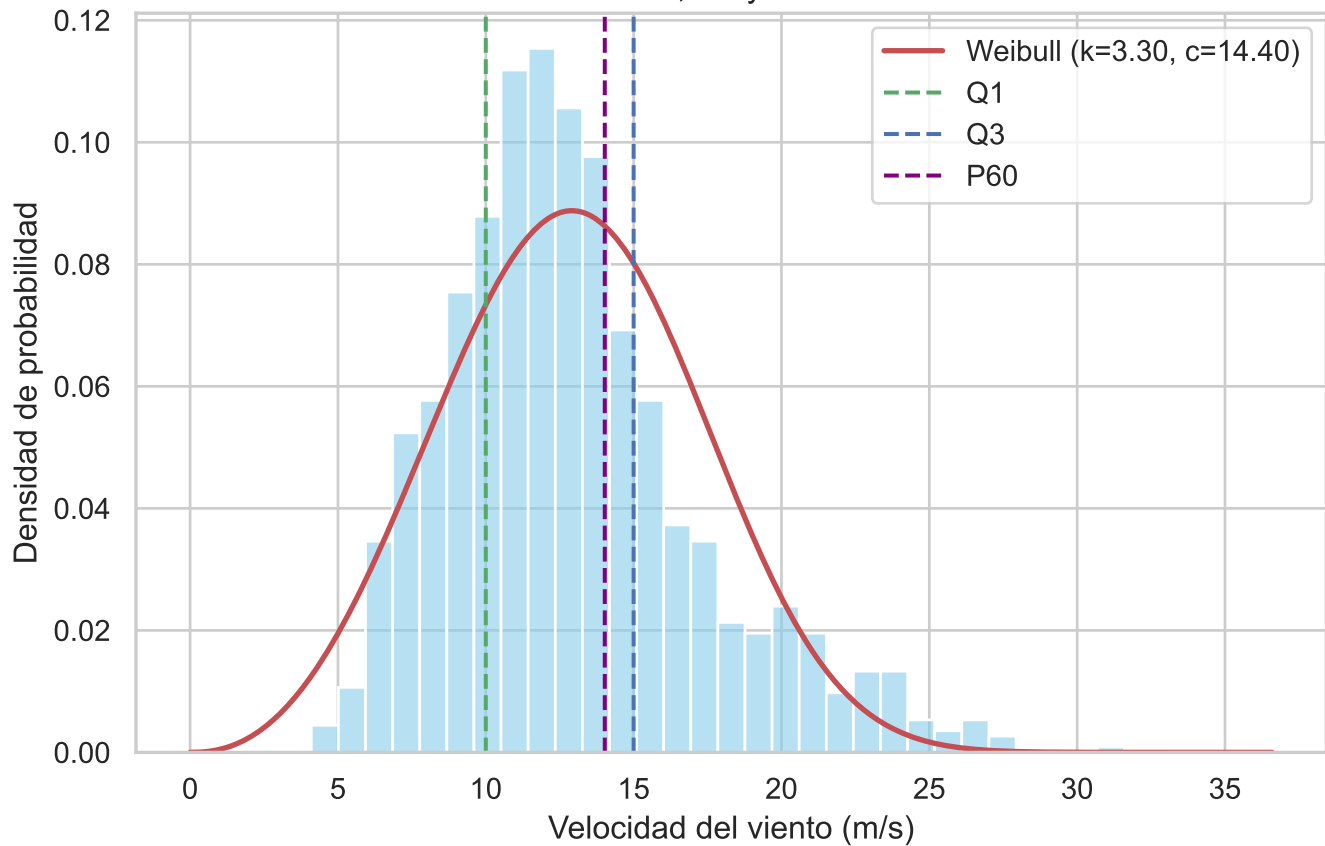
Weibull con Q1, Q3 y P60 – SAN ANDRÉS



Weibull con Q1, Q3 y P60 – SANTA MARTA



Weibull con Q1, Q3 y P60 – TUMACO



Weibull con Q1, Q3 y P60 – VALLEDUPAR

