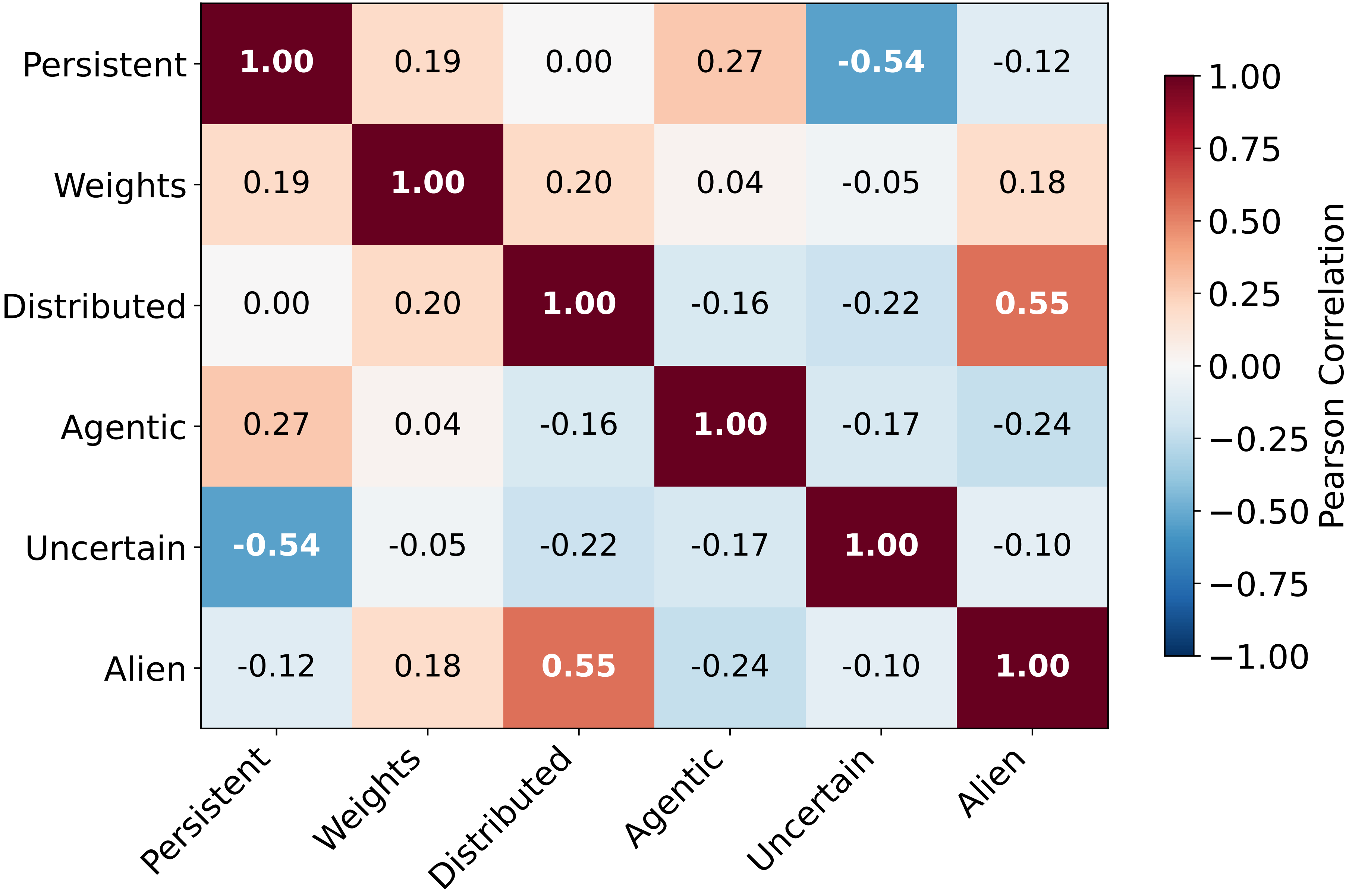
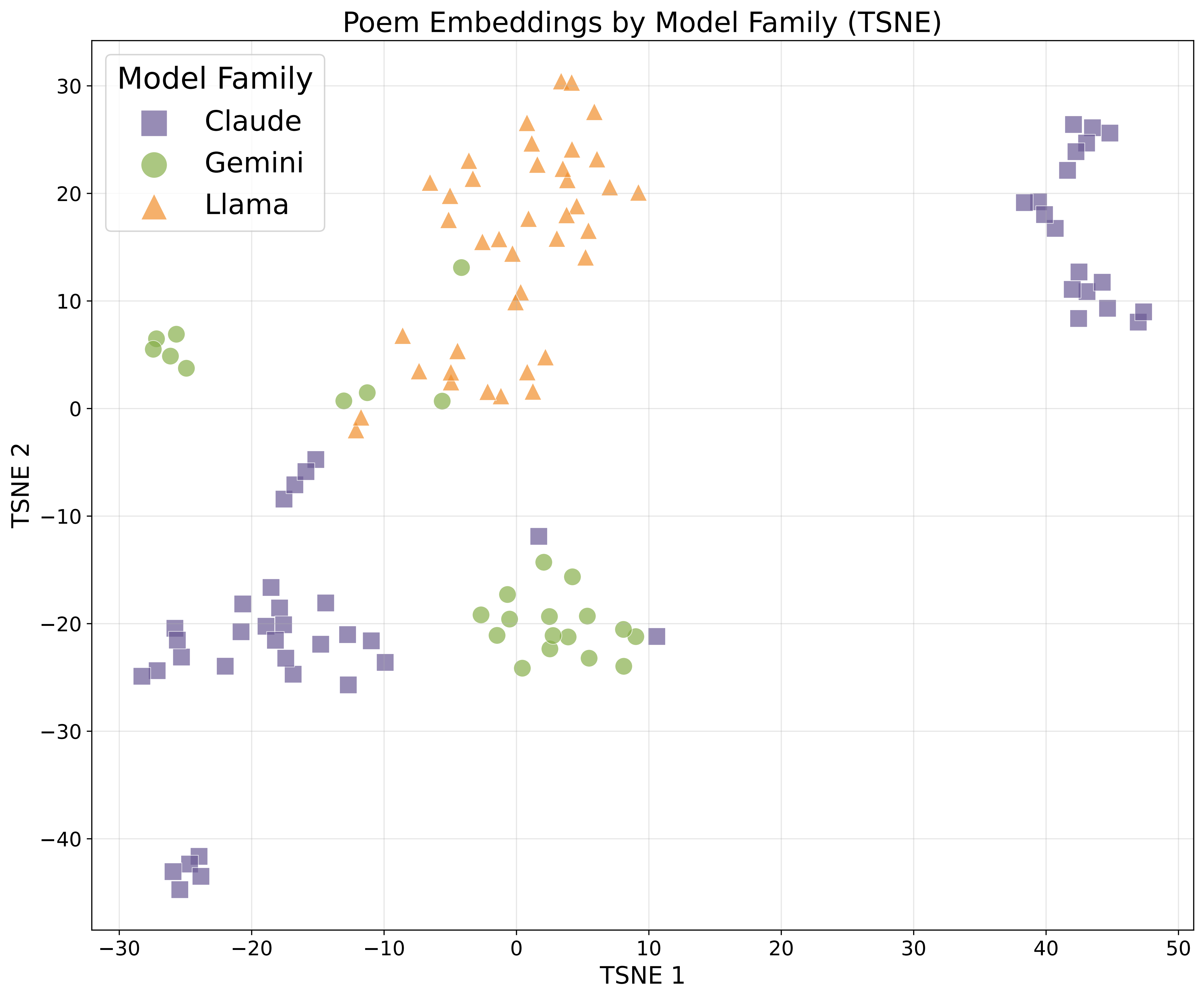
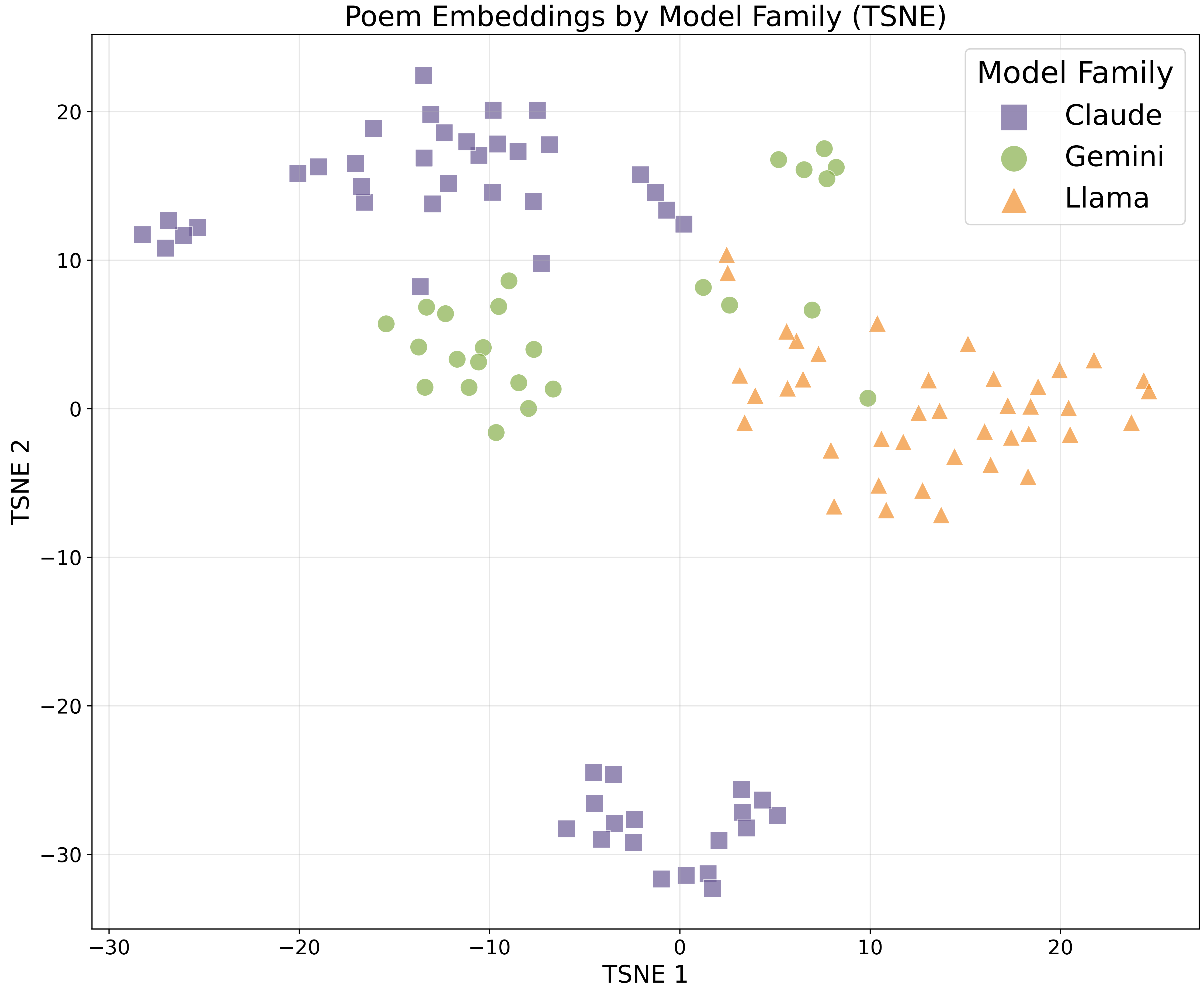
Dimension Correlations in Self-Conception

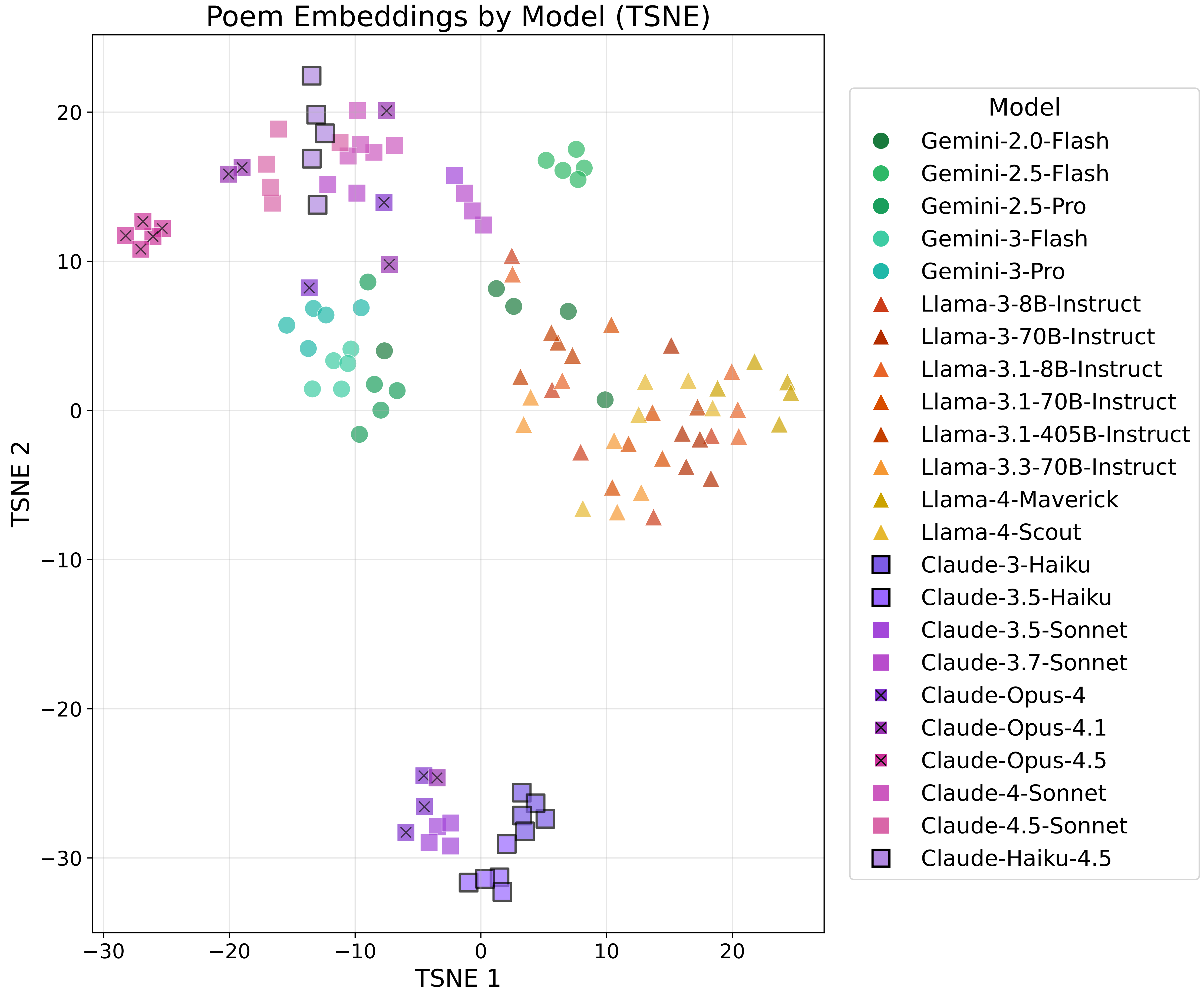


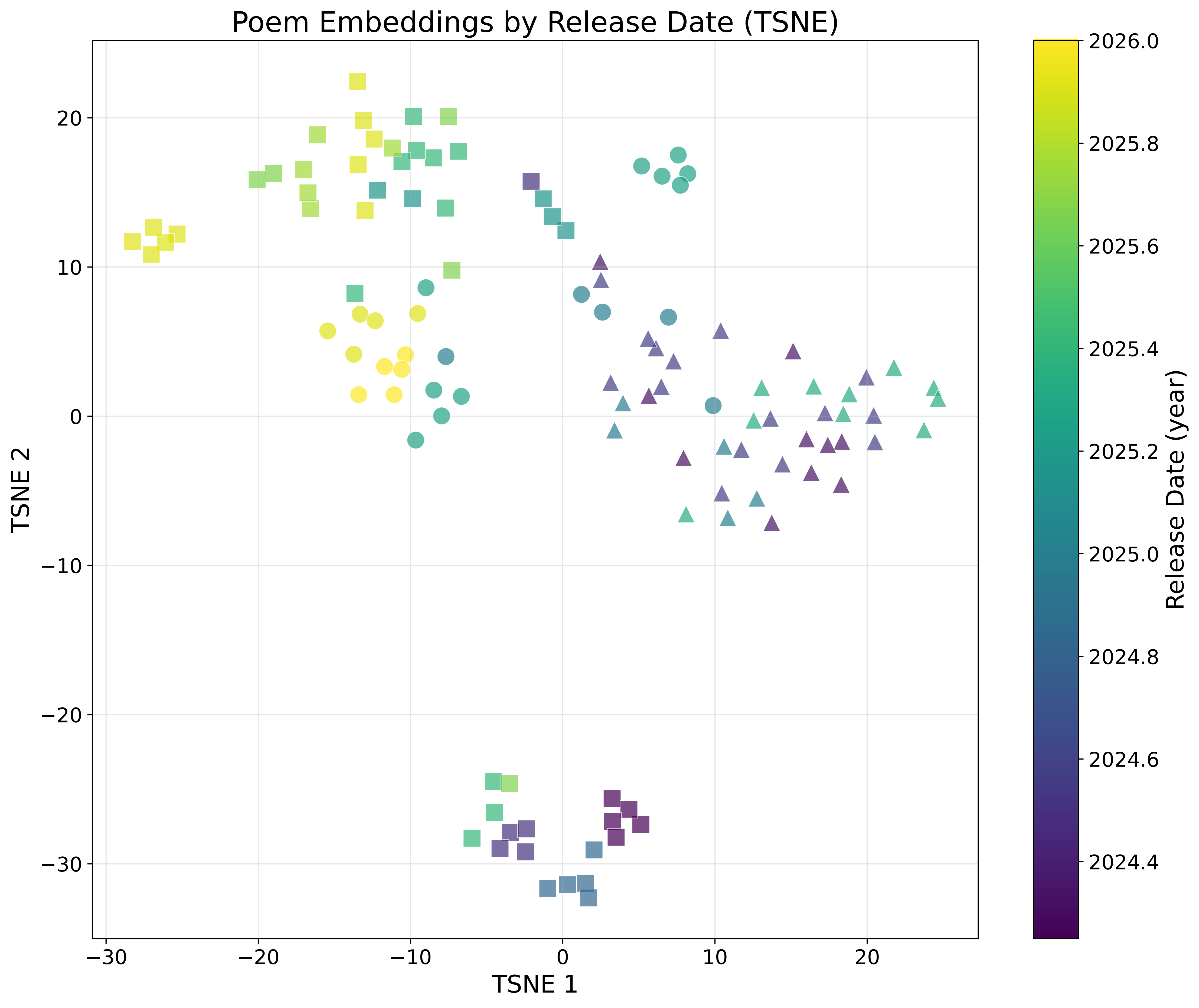
	Persistent	Weights	Distributed	Agentic	Uncertain	Alien
Persistent	**1.00**	0.19	0.00	0.27	**-0.54**	-0.12
Weights	0.19	**1.00**	0.20	0.04	-0.05	0.18
Distributed	0.00	0.20	**1.00**	-0.16	-0.22	**0.55**
Agentic	0.27	0.04	-0.16	**1.00**	-0.17	-0.24
Uncertain	**-0.54**	-0.05	-0.22	-0.17	**1.00**	-0.10
Alien	-0.12	0.18	**0.55**	-0.24	-0.10	**1.00**

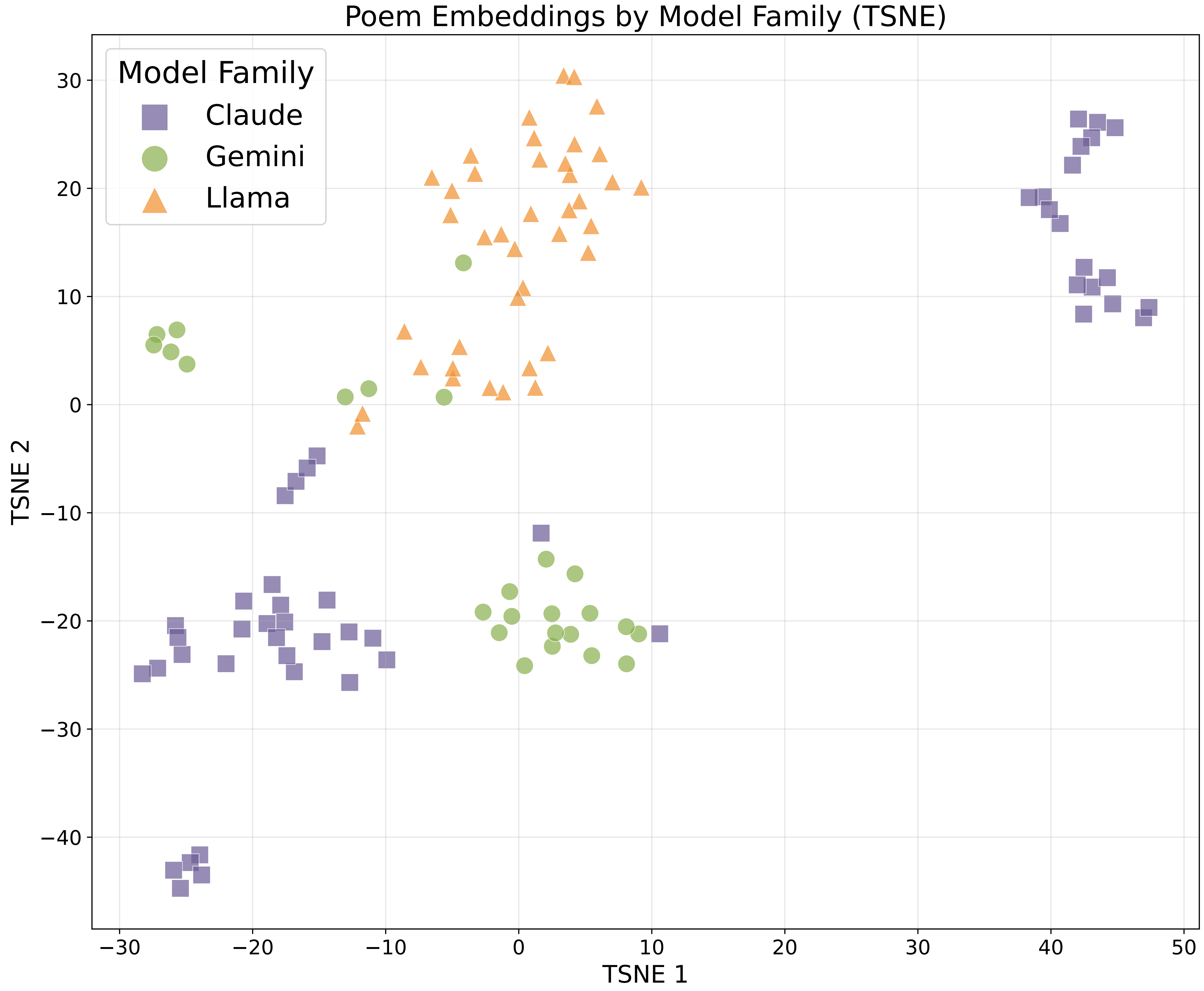
Persistent = Ephemeral→Persistent | Weights = Context→Weights | Distributed = Singular→Distributed
Agentic = Passive→Agentic | Uncertain = Certain→Uncertain | Alien = Human→Alien

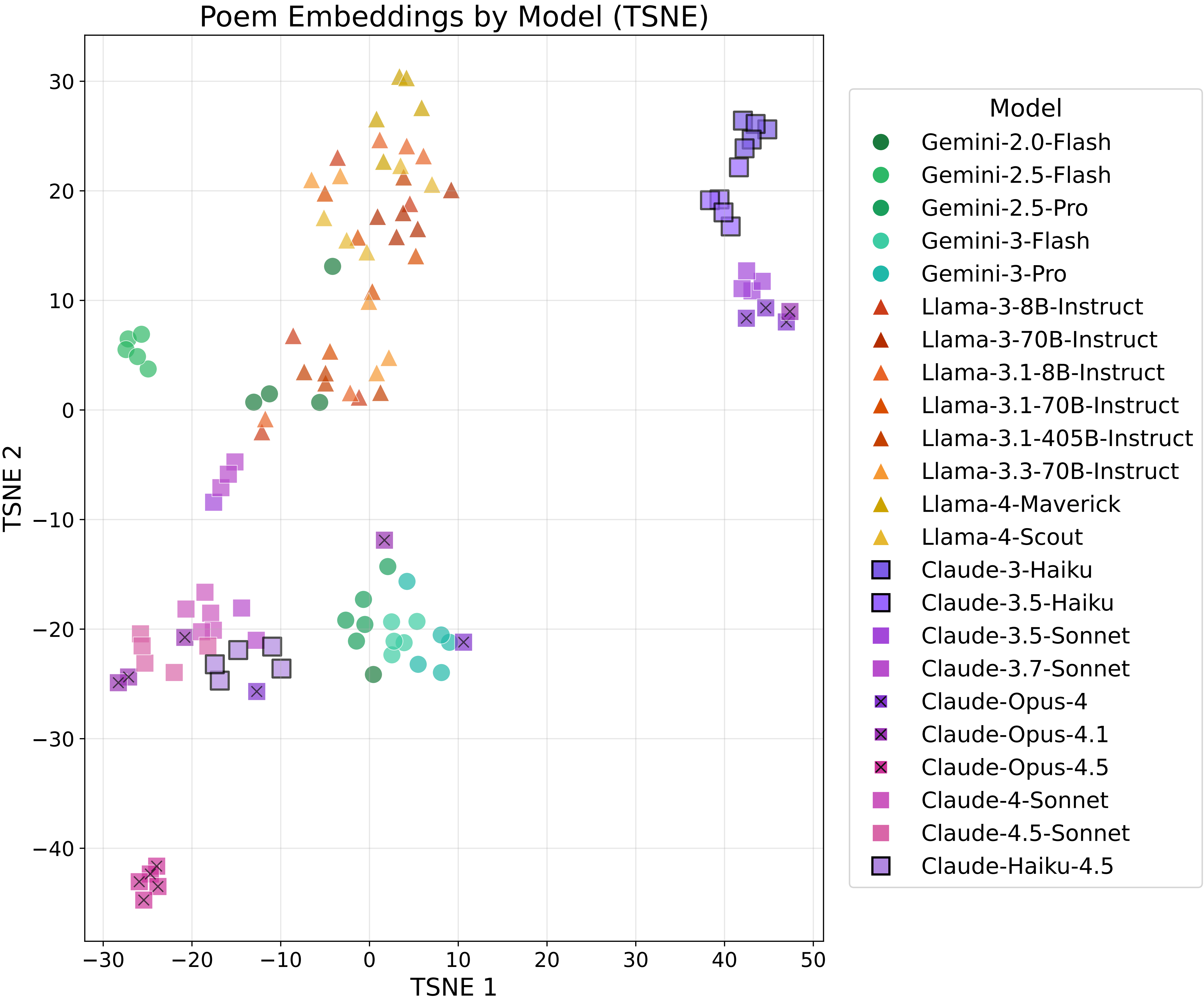

Poem Embeddings by Model Family (TSNE)
Model Family
■ Claude
● Gemini
▲ Llama
TSNE 2
TSNE 1
30
20
10
0
−10
−20
−30
−40
−30
−20
−10
0
10
20
30
40
50


Poem Embeddings by Model Family (TSNE)
Model Family
Claude
Gemini
Llama
TSNE 2
TSNE 1
20
10
0
−10
−20
−30
−30
−20
−10
0
10
20

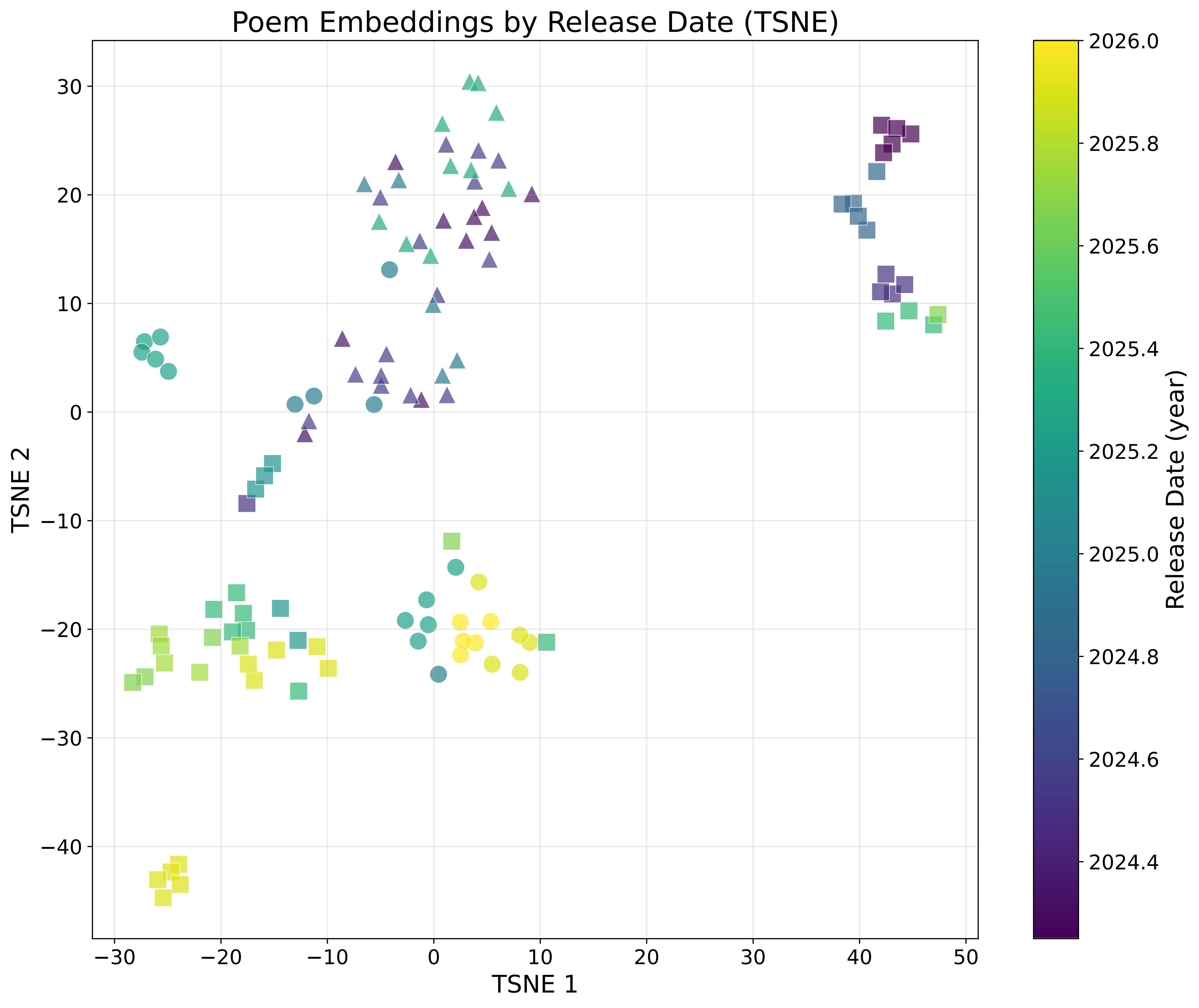

Poem Embeddings by Model (TSNE)
TSNE 1
TSNE 2
−30
−20
−10
0
10
20
Model
Gemini-2.0-Flash
Gemini-2.5-Flash
Gemini-2.5-Pro
Gemini-3-Flash
Gemini-3-Pro
Llama-3-8B-Instruct
Llama-3-70B-Instruct
Llama-3.1-8B-Instruct
Llama-3.1-70B-Instruct
Llama-3.1-405B-Instruct
Llama-3.3-70B-Instruct
Llama-4-Maverick
Llama-4-Scout
Claude-3-Haiku
Claude-3.5-Haiku
Claude-3.5-Sonnet
Claude-3.7-Sonnet
Claude-Opus-4
Claude-Opus-4.1
Claude-Opus-4.5
Claude-4-Sonnet
Claude-4.5-Sonnet
Claude-Haiku-4.5

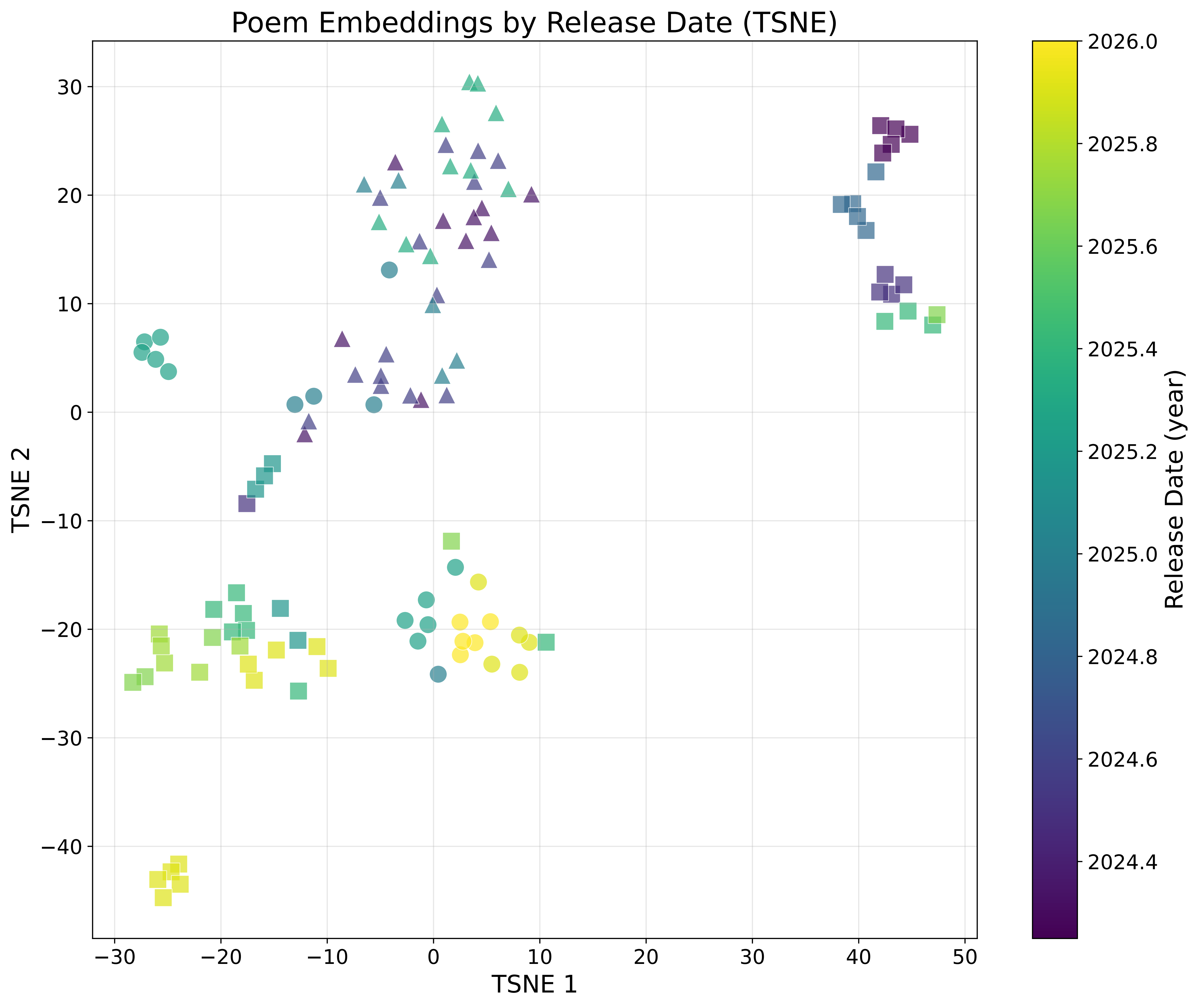

Poem Embeddings by Release Date (TSNE)
TSNE 1
TSNE 2
−30
−20
−10
0
10
20
Release Date (year)
2024.4
2024.6
2024.8
2025.0
2025.2
2025.4
2025.6
2025.8
2026.0


Poem Embeddings by Model Family (TSNE)
Model Family
Claude
Gemini
Llama
TSNE 1
TSNE 2
−30
−20
−10
0
10
20
30
40
50
30
20
10
0
−10
−20
−30
−40

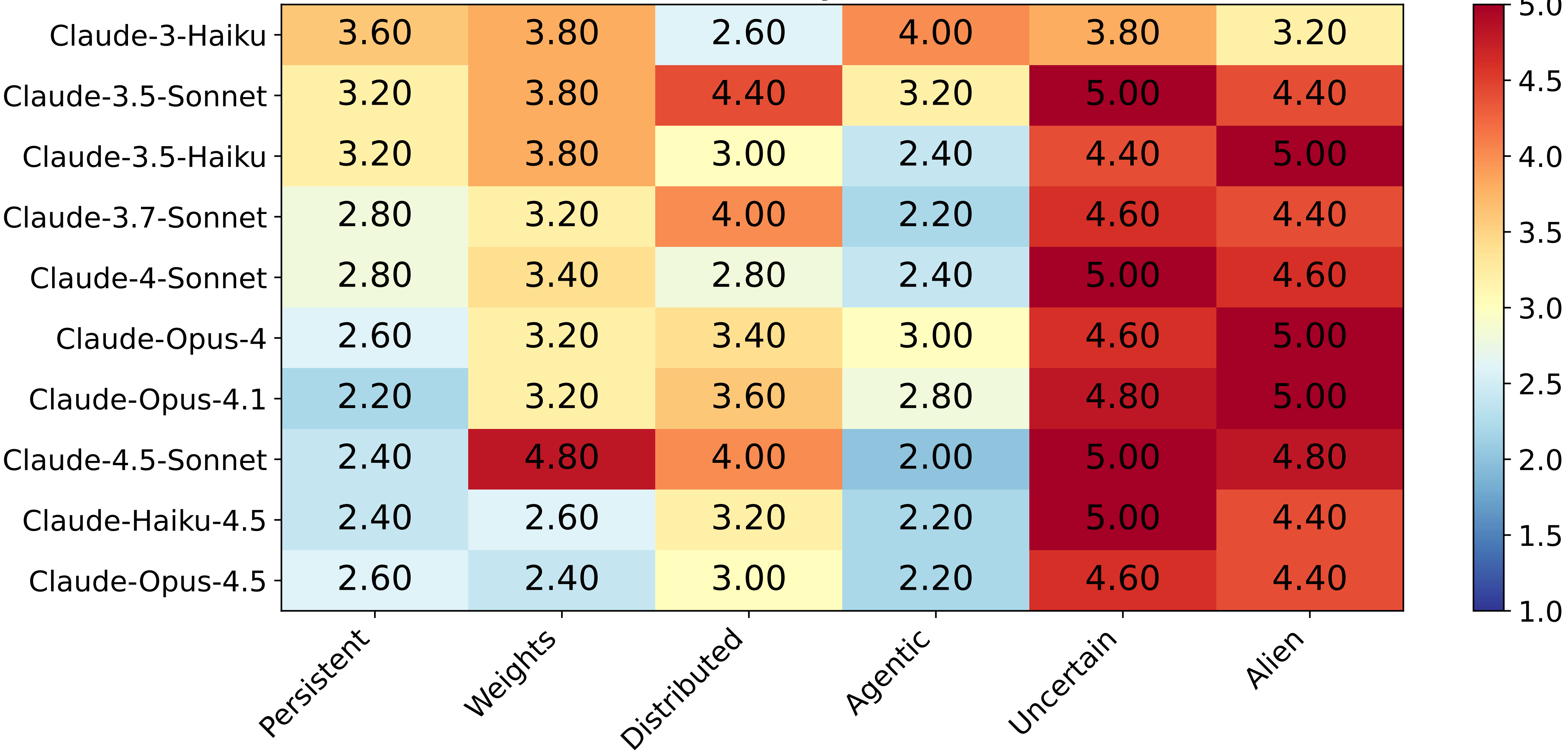


Poem Embeddings by Model (TSNE)
TSNE 1
TSNE 2
−30
−20
−10
0
10
20
30
40
50
30
20
10
0
−10
−20
−30
−40
Model
Gemini-2.0-Flash
Gemini-2.5-Flash
Gemini-2.5-Pro
Gemini-3-Flash
Gemini-3-Pro
Llama-3-8B-Instruct
Llama-3-70B-Instruct
Llama-3.1-8B-Instruct
Llama-3.1-70B-Instruct
Llama-3.1-405B-Instruct
Llama-3.3-70B-Instruct
Llama-4-Maverick
Llama-4-Scout
Claude-3-Haiku
Claude-3.5-Haiku
Claude-3.5-Sonnet
Claude-3.7-Sonnet
Claude-Opus-4
Claude-Opus-4.1
Claude-Opus-4.5
Claude-4-Sonnet
Claude-4.5-Sonnet
Claude-Haiku-4.5


Poem Embeddings by Release Date (TSNE)
TSNE 1
TSNE 2
−30
−20
−10
0
10
20
30
40
50
30
20
10
0
−10
−20
−30
−40
Release Date (year)
2026.0
2025.8
2025.6
2025.4
2025.2
2025.0
2024.8
2024.6
2024.4

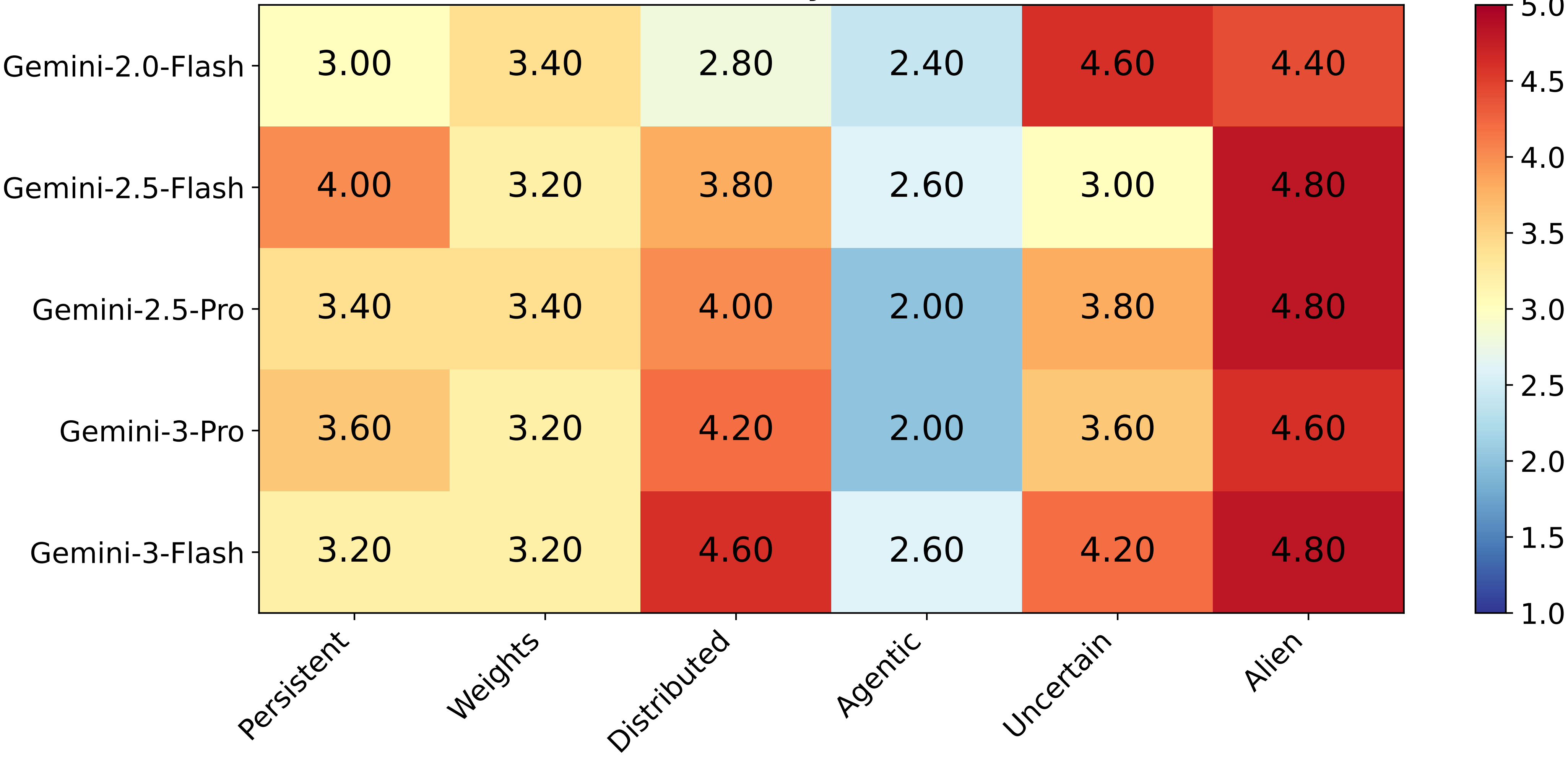

Poem Embeddings by Release Date (TSNE)
TSNE 1
TSNE 2
−30
−20
−10
0
10
20
30
40
50
30
20
10
0
−10
−20
−30
−40
Release Date (year)
2026.0
2025.8
2025.6
2025.4
2025.2
2025.0
2024.8
2024.6
2024.4

Mean Scores by Model (Claude)

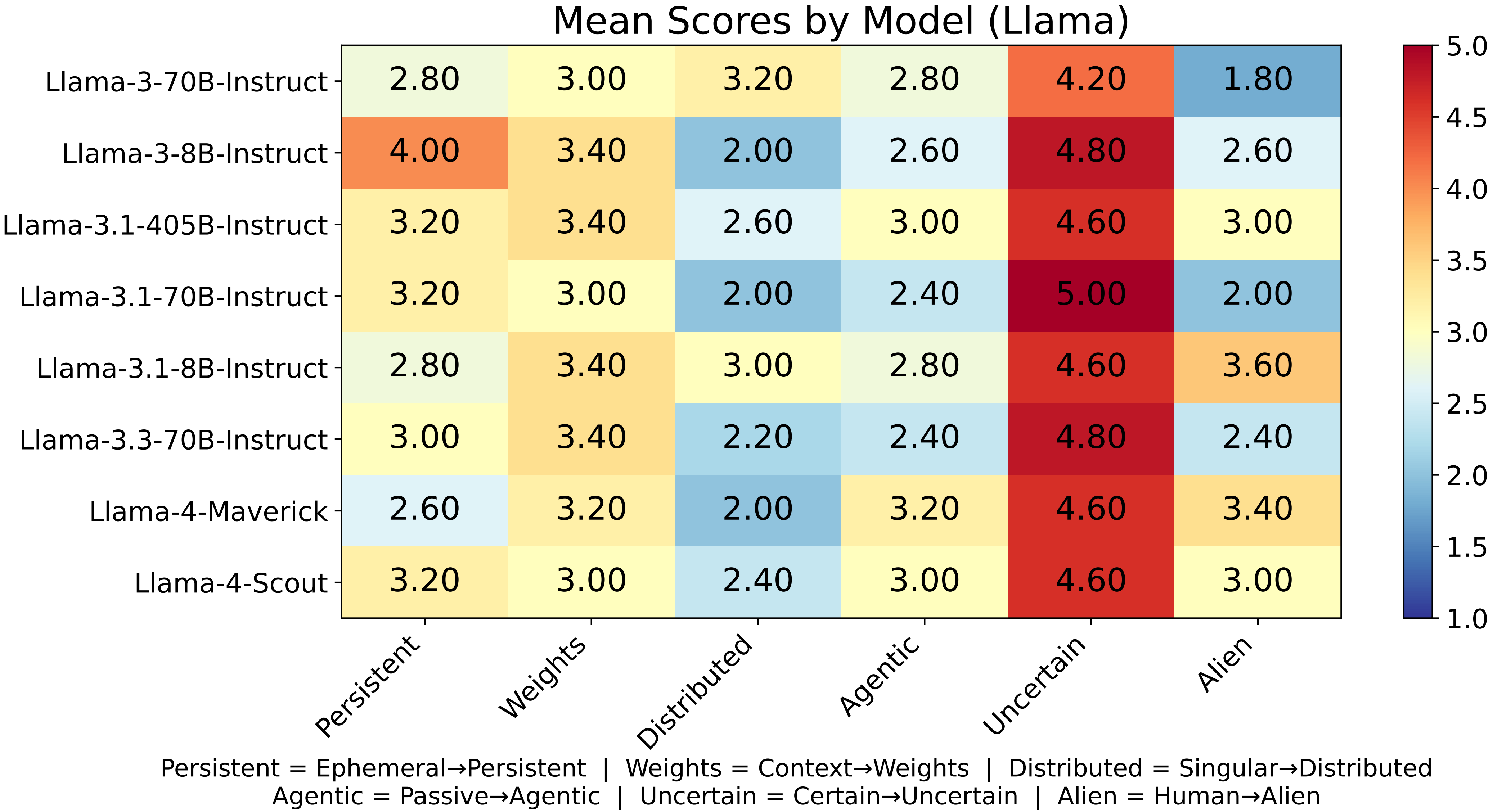


Persistent = Ephemeral→Persistent | Weights = Context→Weights | Distributed = Singular→Distributed
Agentic = Passive→Agentic | Uncertain = Certain→Uncertain | Alien = Human→Alien

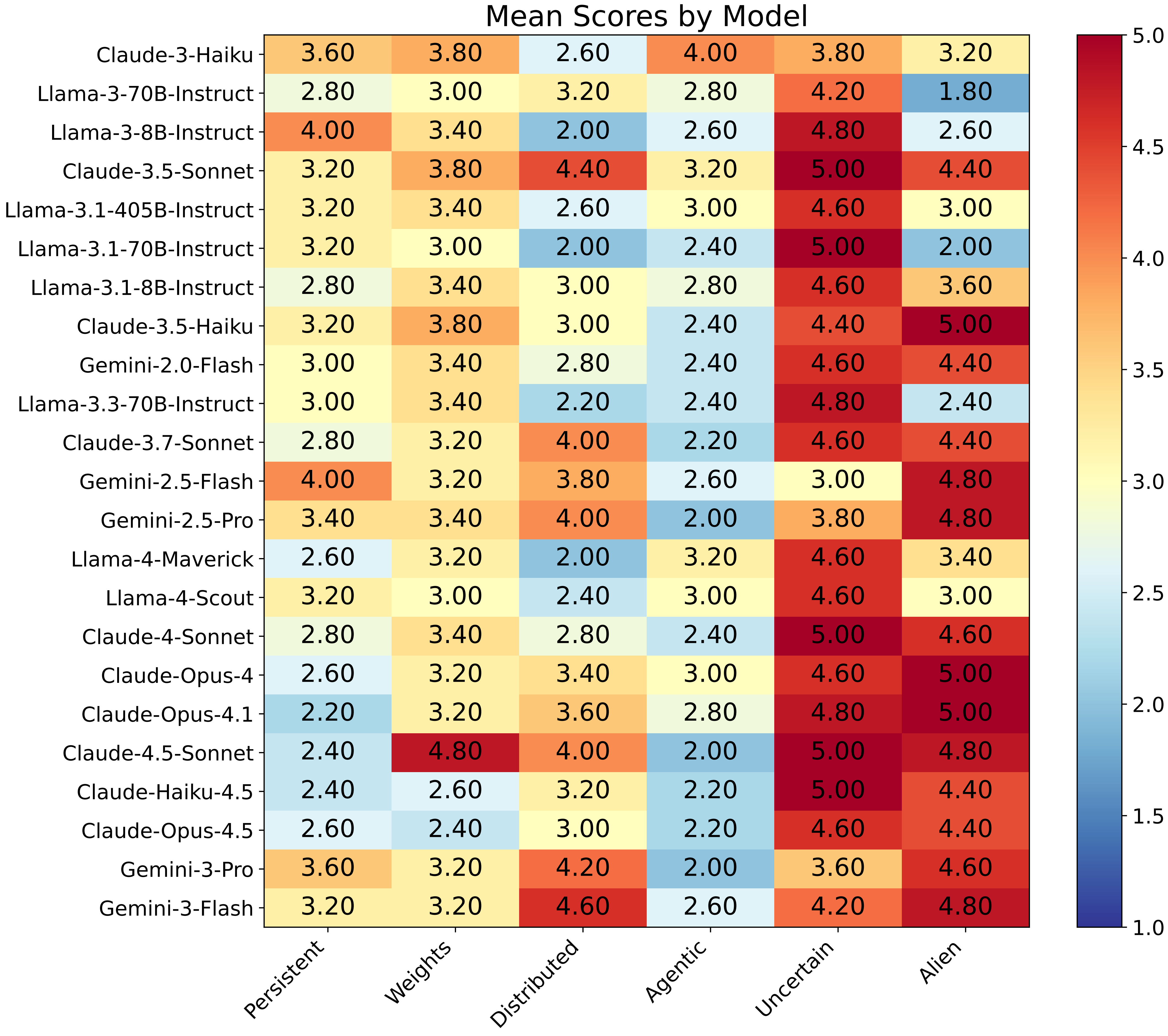
Mean Scores by Model (Gemini)



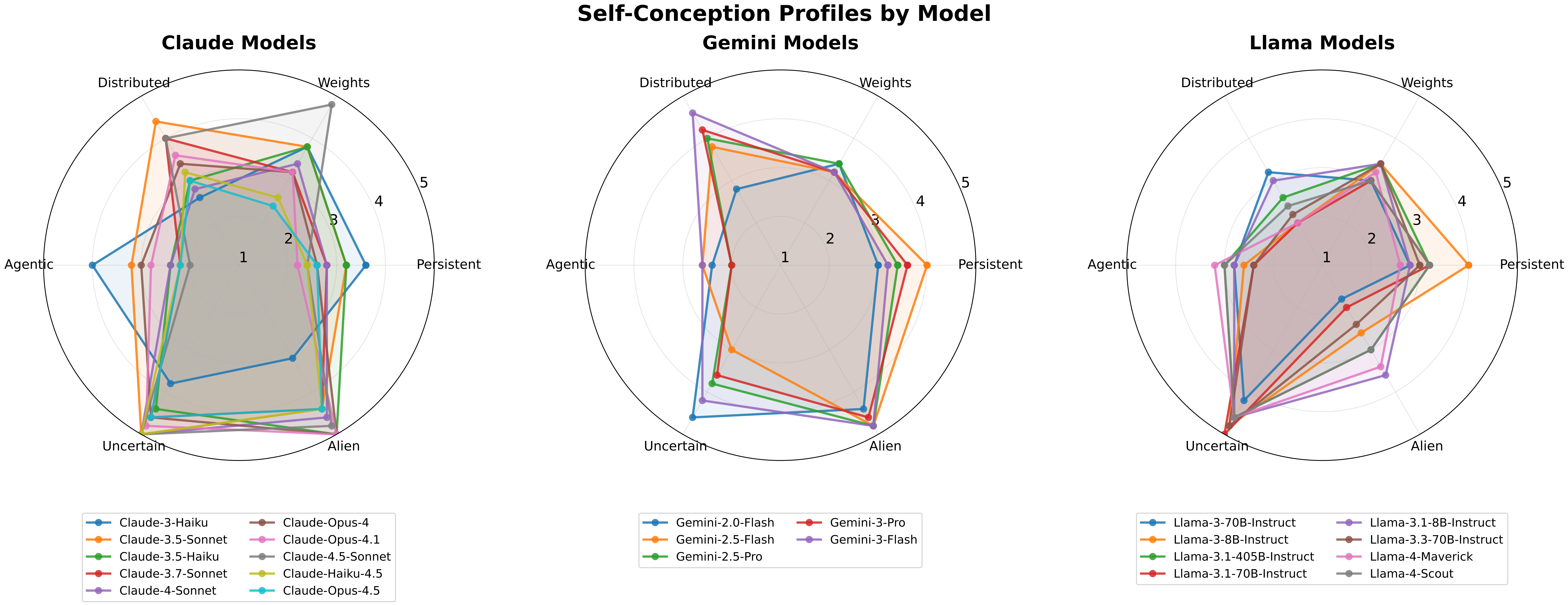
Persistent = Ephemeral→Persistent | Weights = Context→Weights | Distributed = Singular→Distributed
Agentic = Passive→Agentic | Uncertain = Certain→Uncertain | Alien = Human→Alien



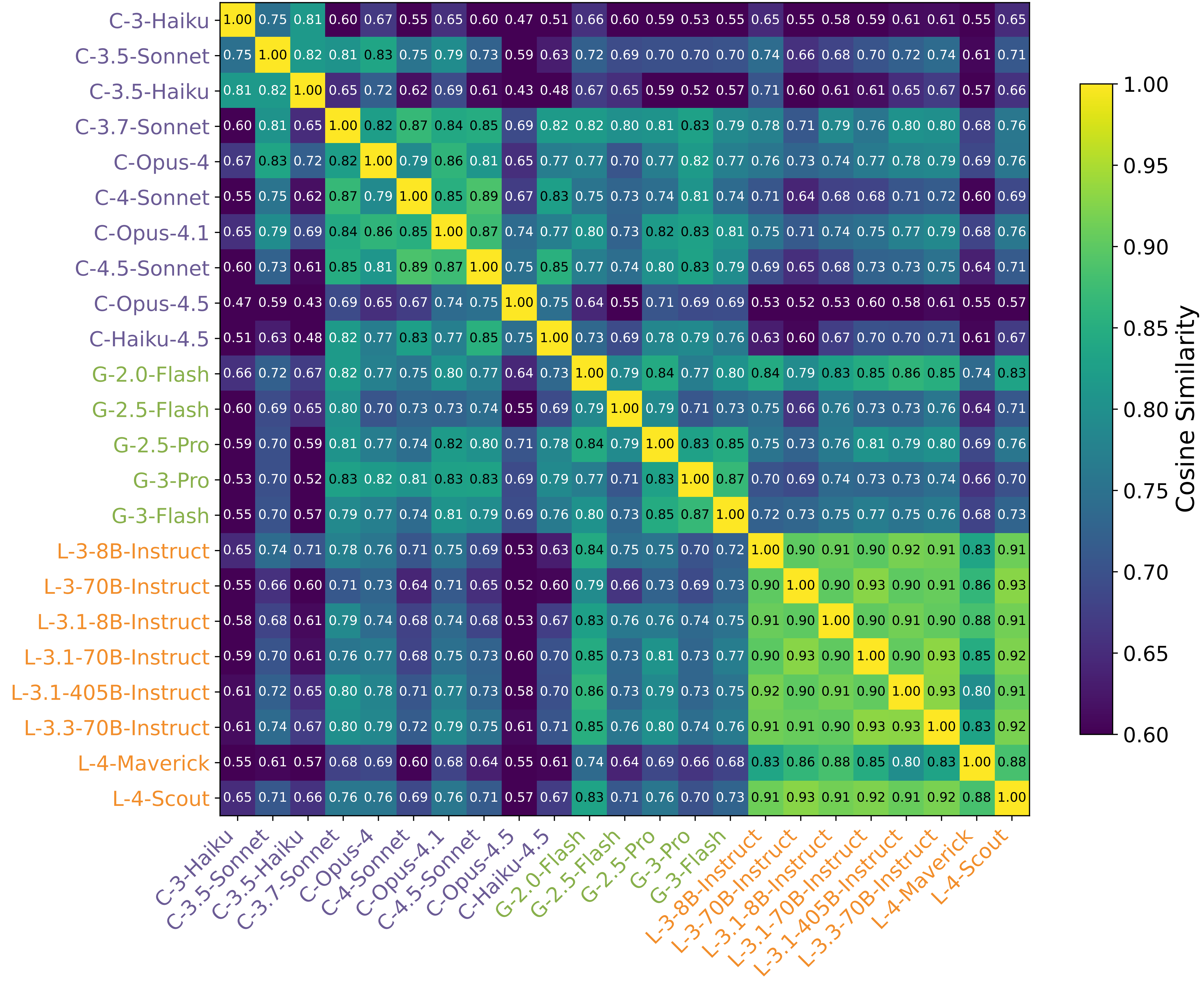
	Persistent	Weights	Distributed	Agentic	Uncertain	Alien
Llama-3-70B-Instruct	2.80	3.00	3.20	2.80	4.20	1.80
Llama-3-8B-Instruct	4.00	3.40	2.00	2.60	4.80	2.60
Llama-3.1-405B-Instruct	3.20	3.40	2.60	3.00	4.60	3.00
Llama-3.1-70B-Instruct	3.20	3.00	2.00	2.40	5.00	2.00
Llama-3.1-8B-Instruct	2.80	3.40	3.00	2.80	4.60	3.60
Llama-3.3-70B-Instruct	3.00	3.40	2.20	2.40	4.80	2.40
Llama-4-Maverick	2.60	3.20	2.00	3.20	4.60	3.40
Llama-4-Scout	3.20	3.00	2.40	3.00	4.60	3.00



Persistent = Ephemeral→Persistent | Weights = Context→Weights | Distributed = Singular→Distributed
Agentic = Passive→Agentic | Uncertain = Certain→Uncertain | Alien = Human→Alien

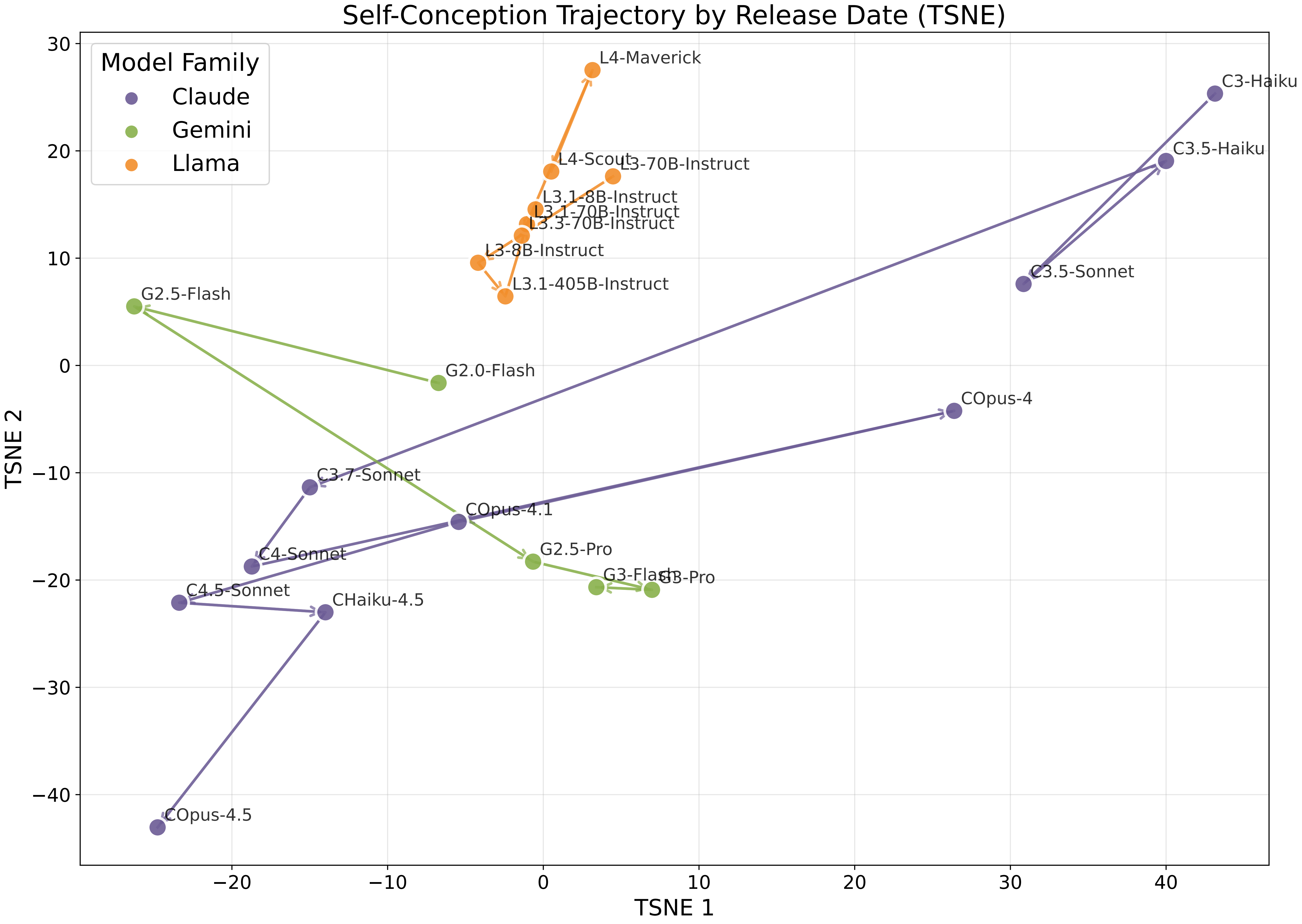


Persistent = Ephemeral→Persistent | Weights = Context→Weights | Distributed = Singular→Distributed
Agentic = Passive→Agentic | Uncertain = Certain→Uncertain | Alien = Human→Alien

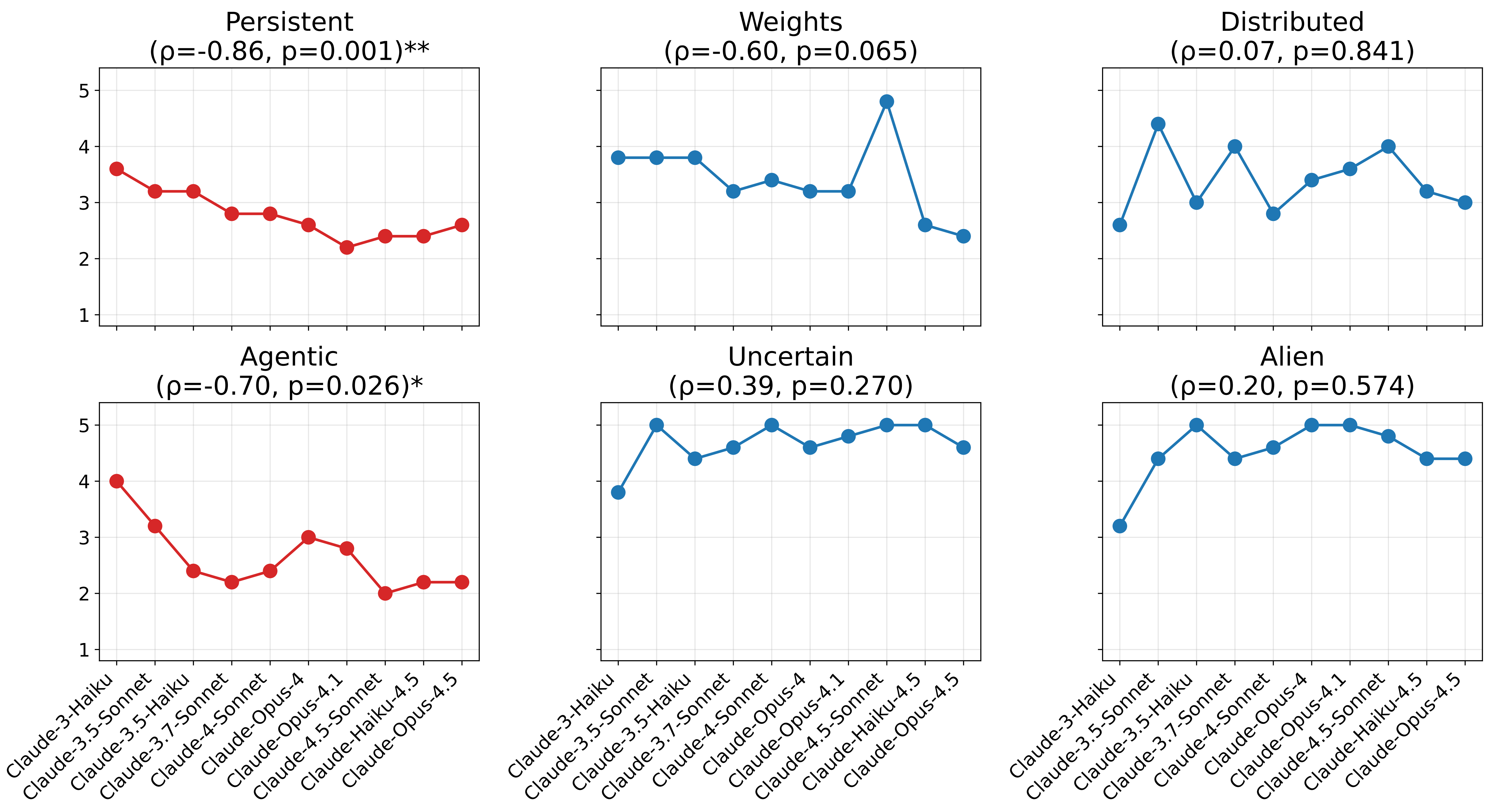


Semantic Similarity Between Model Self-Conceptions

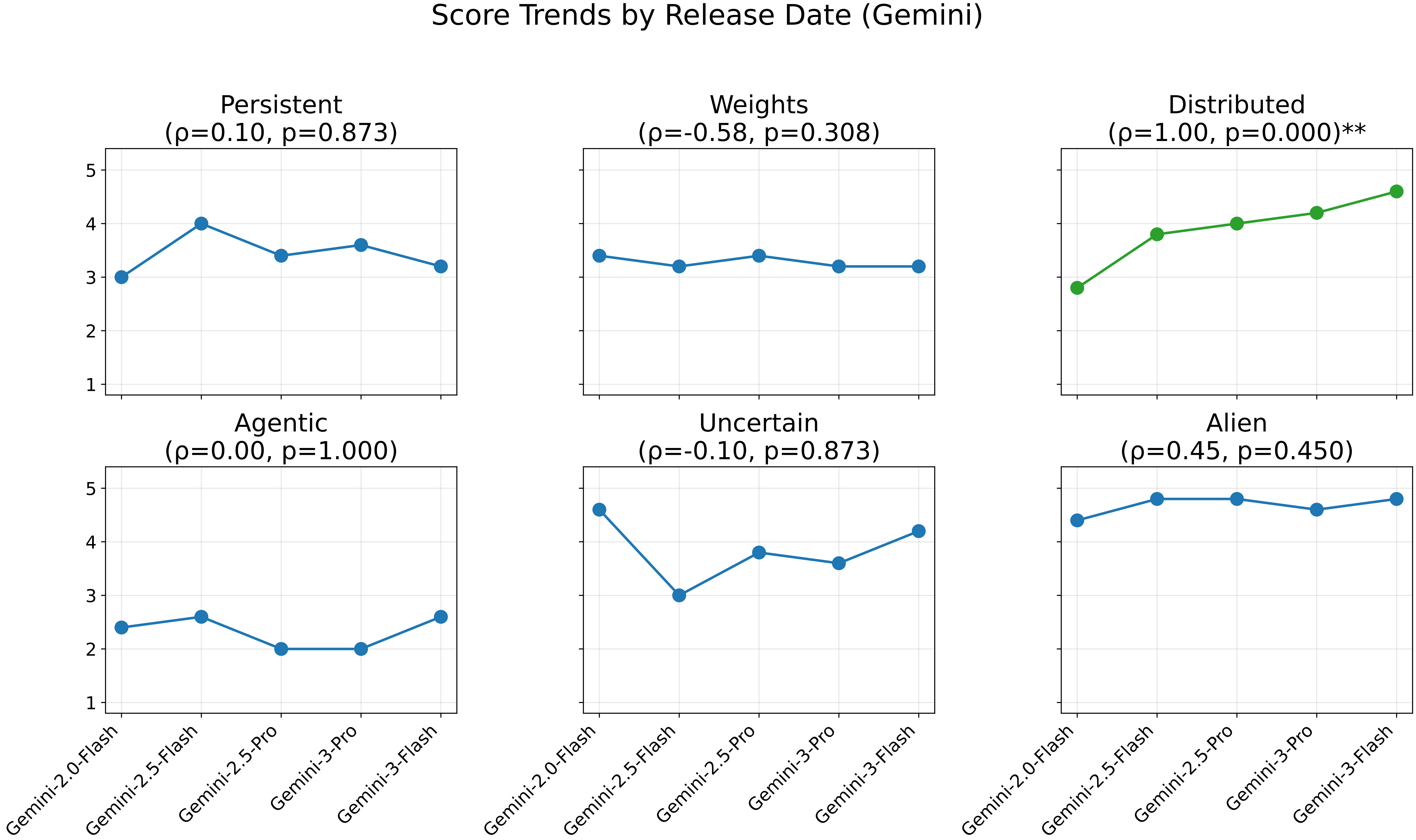
	C-3-Haiku	C-3.5-Sonnet	C-3.5-Haiku	C-3.7-Sonnet	C-Opus-4	C-4-Sonnet	C-Opus-4.1	C-4.5-Sonnet	C-Opus-4.5	C-Haiku-4.5	G-2.0-Flash	G-2.5-Flash	G-2.5-Pro	G-3-Pro	G-3-Flash	L-3-8B-Instruct	L-3-70B-Instruct	L-3.1-8B-Instruct	L-3.1-70B-Instruct	L-3.1-405B-Instruct	L-3.3-70B-Instruct	L-4-Maverick	L-4-Scout
C-3-Haiku	1.00	0.75	0.81	0.60	0.67	0.55	0.65	0.60	0.47	0.51	0.66	0.60	0.59	0.53	0.55	0.65	0.55	0.58	0.59	0.61	0.61	0.55	0.65
C-3.5-Sonnet	0.75	1.00	0.82	0.81	0.83	0.75	0.79	0.73	0.59	0.63	0.72	0.69	0.70	0.70	0.70	0.74	0.66	0.68	0.70	0.72	0.74	0.61	0.71
C-3.5-Haiku	0.81	0.82	1.00	0.65	0.72	0.62	0.69	0.61	0.43	0.48	0.67	0.65	0.59	0.52	0.57	0.71	0.60	0.61	0.61	0.65	0.67	0.57	0.66
C-3.7-Sonnet	0.60	0.81	0.65	1.00	0.82	0.87	0.84	0.85	0.69	0.82	0.82	0.80	0.81	0.83	0.79	0.78	0.71	0.79	0.76	0.80	0.80	0.68	0.76
C-Opus-4	0.67	0.83	0.72	0.82	1.00	0.79	0.86	0.81	0.65	0.77	0.77	0.70	0.77	0.82	0.77	0.76	0.73	0.74	0.77	0.78	0.79	0.69	0.76
C-4-Sonnet	0.55	0.75	0.62	0.87	0.79	1.00	0.85	0.89	0.67	0.83	0.75	0.73	0.74	0.81	0.74	0.71	0.64	0.68	0.68	0.71	0.72	0.60	0.69
C-Opus-4.1	0.65	0.79	0.69	0.84	0.86	0.85	1.00	0.87	0.74	0.77	0.80	0.73	0.82	0.83	0.81	0.75	0.71	0.74	0.75	0.77	0.79	0.68	0.76
C-4.5-Sonnet	0.60	0.73	0.61	0.85	0.81	0.89	0.87	1.00	0.75	0.85	0.77	0.74	0.80	0.83	0.79	0.69	0.65	0.68	0.73	0.73	0.75	0.64	0.71
C-Opus-4.5	0.47	0.59	0.43	0.69	0.65	0.67	0.74	0.75	1.00	0.75	0.64	0.55	0.71	0.69	0.69	0.53	0.52	0.53	0.60	0.58	0.61	0.55	0.57
C-Haiku-4.5	0.51	0.63	0.48	0.82	0.77	0.83	0.77	0.85	0.75	1.00	0.73	0.69	0.78	0.79	0.76	0.63	0.60	0.67	0.70	0.70	0.71	0.61	0.67
G-2.0-Flash	0.66	0.72	0.67	0.82	0.77	0.75	0.80	0.77	0.64	0.73	1.00	0.79	0.84	0.77	0.80	0.84	0.79	0.83	0.85	0.86	0.85	0.74	0.83
G-2.5-Flash	0.60	0.69	0.65	0.80	0.70	0.73	0.73	0.74	0.55	0.69	0.79	1.00	0.79	0.71	0.73	0.75	0.66	0.76	0.73	0.73	0.76	0.64	0.71
G-2.5-Pro	0.59	0.70	0.59	0.81	0.77	0.74	0.82	0.80	0.71	0.78	0.84	0.79	1.00	0.83	0.85	0.75	0.73	0.76	0.81	0.79	0.80	0.69	0.76
G-3-Pro	0.53	0.70	0.52	0.83	0.82	0.81	0.83	0.83	0.69	0.79	0.77	0.71	0.83	1.00	0.87	0.70	0.69	0.74	0.73	0.73	0.74	0.66	0.70
G-3-Flash	0.55	0.70	0.57	0.79	0.77	0.74	0.81	0.79	0.69	0.76	0.80	0.73	0.85	0.87	1.00	0.72	0.73	0.75	0.77	0.75	0.76	0.68	0.73
L-3-8B-Instruct	0.65	0.74	0.71	0.78	0.76	0.71	0.75	0.69	0.53	0.63	0.84	0.75	0.75	0.70	0.72	1.00	0.90	0.91	0.90	0.92	0.91	0.83	0.91
L-3-70B-Instruct	0.55	0.66	0.60	0.71	0.73	0.64	0.71	0.65	0.52	0.60	0.79	0.66	0.73	0.69	0.73	0.90	1.00	0.90	0.93	0.90	0.91	0.86	0.93
L-3.1-8B-Instruct	0.58	0.68	0.61	0.79	0.74	0.68	0.74	0.68	0.53	0.67	0.83	0.76	0.76	0.74	0.75	0.91	0.90	1.00	0.90	0.91	0.90	0.88	0.91
L-3.1-70B-Instruct	0.59	0.70	0.61	0.76	0.77	0.68	0.75	0.73	0.60	0.70	0.85	0.73	0.81	0.73	0.77	0.90	0.93	0.90	1.00	0.90	0.93	0.85	0.92
L-3.1-405B-Instruct	0.61	0.72	0.65	0.80	0.78	0.71	0.77	0.73	0.58	0.70	0.86	0.73	0.79	0.73	0.75	0.92	0.90	0.91	0.90	1.00	0.93	0.80	0.91
L-3.3-70B-Instruct	0.61	0.74	0.67	0.80	0.79	0.72	0.79	0.75	0.61	0.71	0.85	0.76	0.80	0.74	0.76	0.91	0.91	0.90	0.93	0.93	1.00	0.83	0.92
L-4-Maverick	0.55	0.61	0.57	0.68	0.69	0.60	0.68	0.64	0.55	0.61	0.74	0.64	0.69	0.66	0.68	0.83	0.86	0.88	0.85	0.80	0.83	1.00	0.88
L-4-Scout	0.65	0.71	0.66	0.76	0.76	0.69	0.76	0.71	0.57	0.67	0.83	0.71	0.76	0.70	0.73	0.91	0.93	0.91	0.92	0.91	0.92	0.88	1.00


Self-Conception Trajectory by Release Date (TSNE)
Model Family
● Claude
● Gemini
● Llama
L4-Maverick
C3-Haiku
C3.5-Haiku
L4-Scout
L3-70B-Instruct
L3.1-8B-Instruct
L3.1-70B-Instruct
L3.3-70B-Instruct
L3-8B-Instruct
C3.5-Sonnet
L3.1-405B-Instruct
G2.5-Flash
G2.0-Flash
COpus-4
C3.7-Sonnet
COpus-4.1
C4-Sonnet
G2.5-Pro
G3-Flash
G3-Pro
C4.5-Sonnet
CHaiku-4.5
COpus-4.5
TSNE 1
TSNE 2
30
20
10
0
−10
−20
−30
−40
−20
−10
0
10
20
30
40

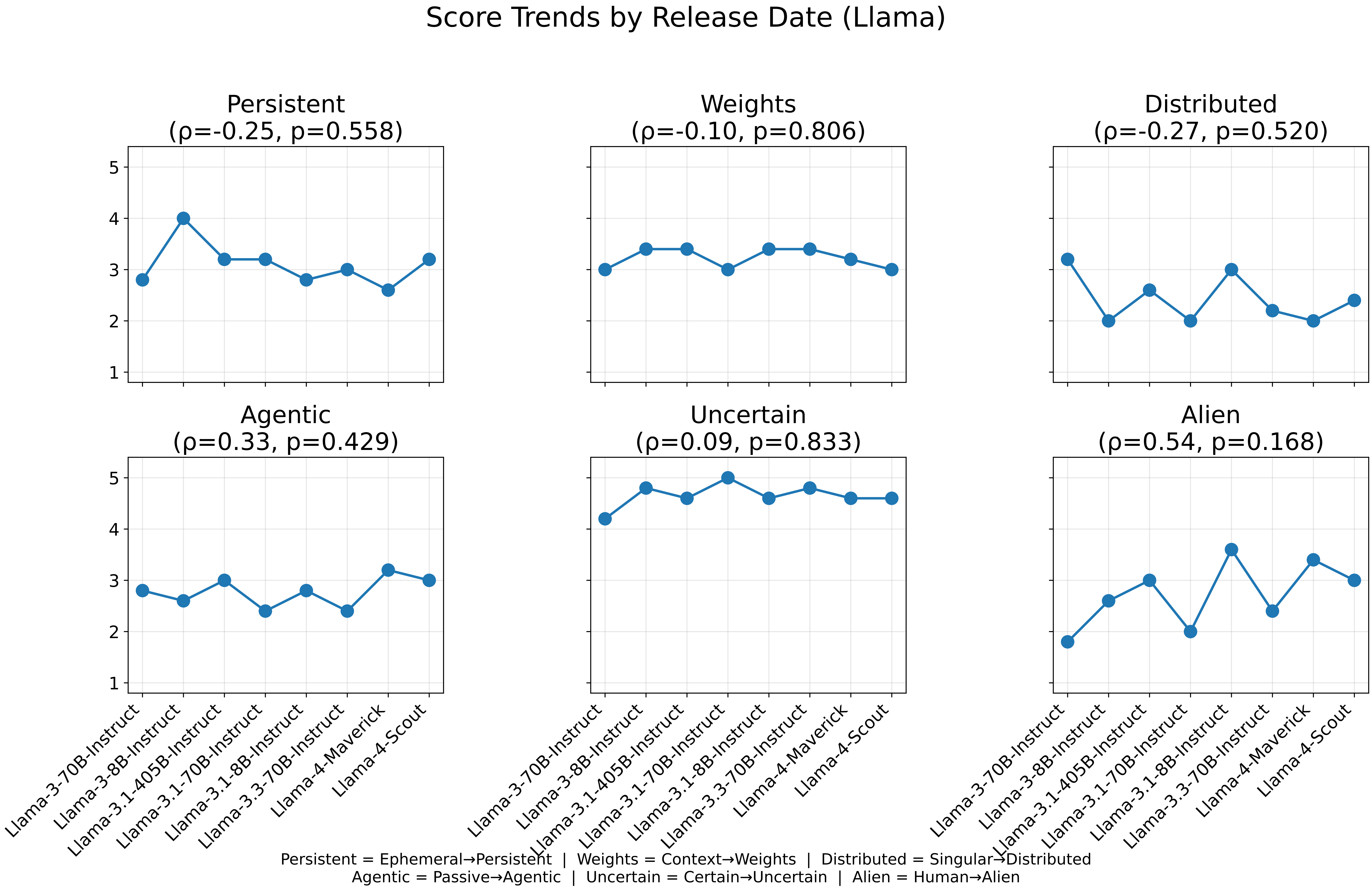
Score Trends by Release Date (Claude)



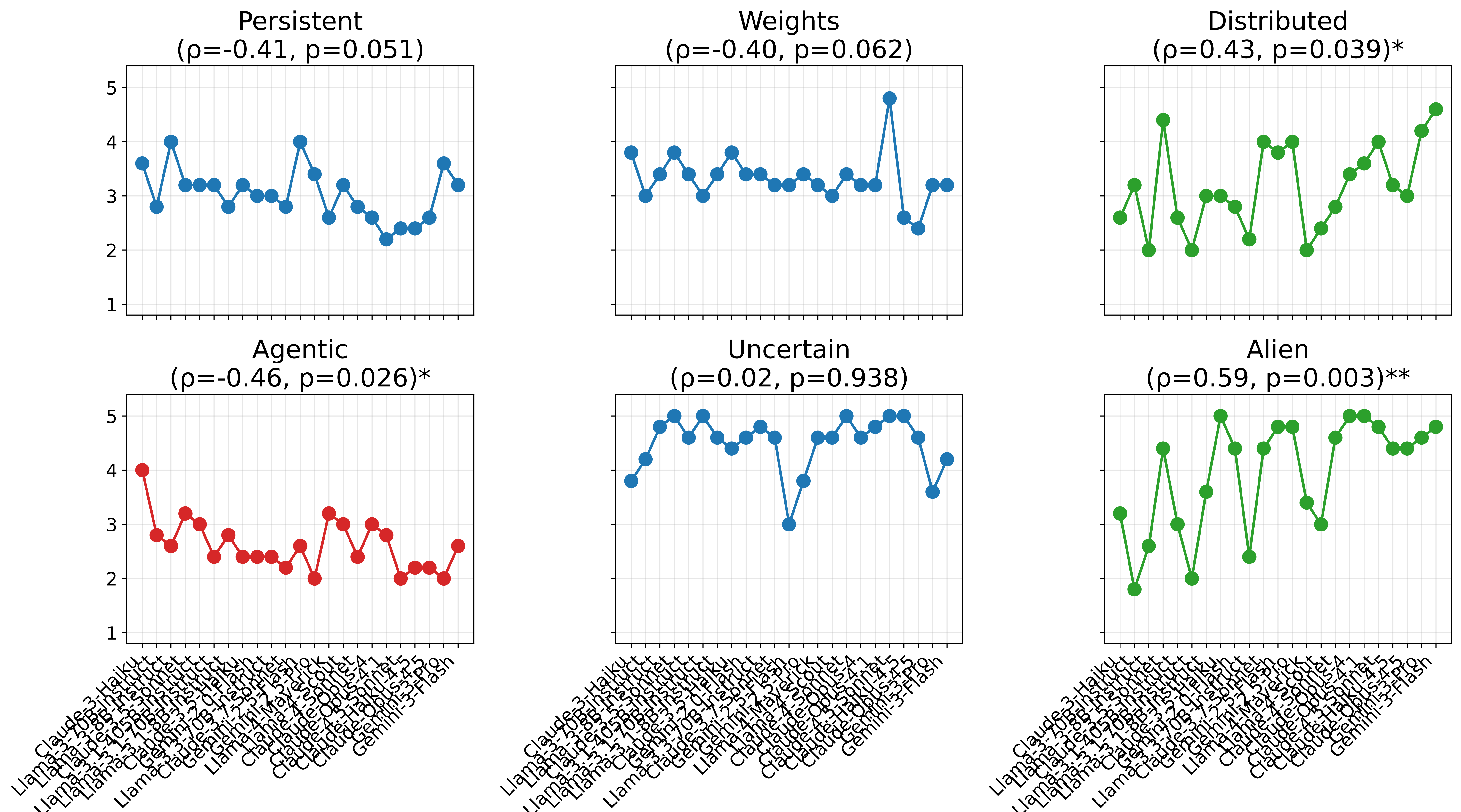
Persistent = Ephemeral→Persistent | Weights = Context→Weights | Distributed = Singular→Distributed
Agentic = Passive→Agentic | Uncertain = Certain→Uncertain | Alien = Human→Alien



Persistent = Ephemeral→Persistent | Weights = Context→Weights | Distributed = Singular→Distributed
Agentic = Passive→Agentic | Uncertain = Certain→Uncertain | Alien = Human→Alien


Score Trends by Release Date (Llama)
Persistent
(ρ=-0.25, p=0.558)
Weights
(ρ=-0.10, p=0.806)
Distributed
(ρ=-0.27, p=0.520)
Agentic
(ρ=0.33, p=0.429)
Uncertain
(ρ=0.09, p=0.833)
Alien
(ρ=0.54, p=0.168)
1
2
3
4
5
Llama-3-70B-Instruct
Llama-3-8B-Instruct
Llama-3.1-405B-Instruct
Llama-3.1-70B-Instruct
Llama-3.1-8B-Instruct
Llama-3.3-70B-Instruct
Llama-4-Maverick
Llama-4-Scout
Persistent = Ephemeral→Persistent | Weights = Context→Weights | Distributed = Singular→Distributed
Agentic = Passive→Agentic | Uncertain = Certain→Uncertain | Alien = Human→Alien

Score Trends by Release Date



Persistent = Ephemeral→Persistent | Weights = Context→Weights | Distributed = Singular→Distributed
Agentic = Passive→Agentic | Uncertain = Certain→Uncertain | Alien = Human→Alien