

Material Complementario TFM

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El presente anexo recopila el conjunto completo de gráficas experimentales correspondientes al Trabajo de Fin de Máster “Paralelización de Modelos de Machine Learning para Optimizar Rendimiento y Escalabilidad”. Las secciones se organizan según los modelos implementados y los conjuntos de datos utilizados.

1. XGBOOST (CPU)

A. Covertype

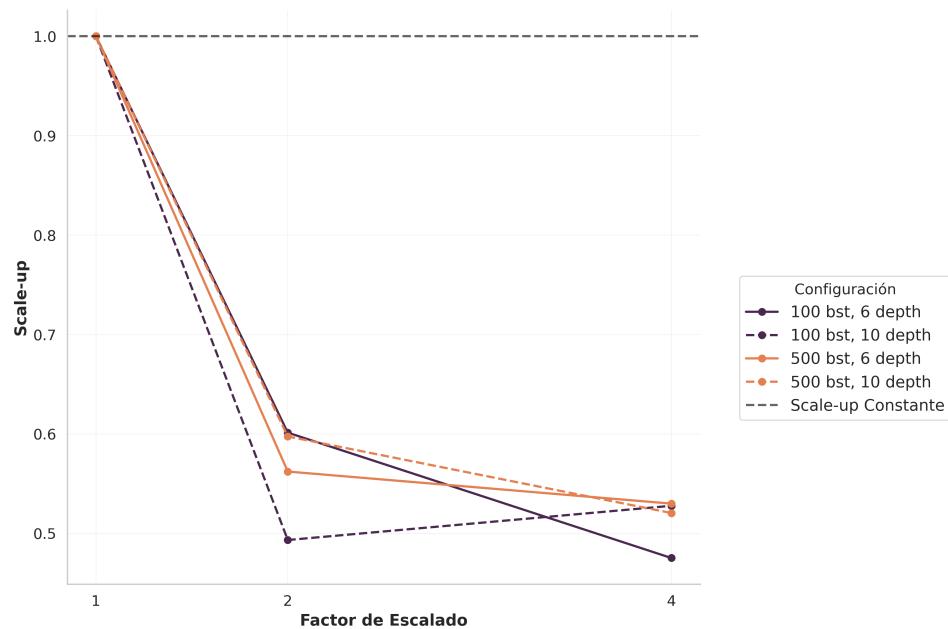


Figura S1. Scale-up

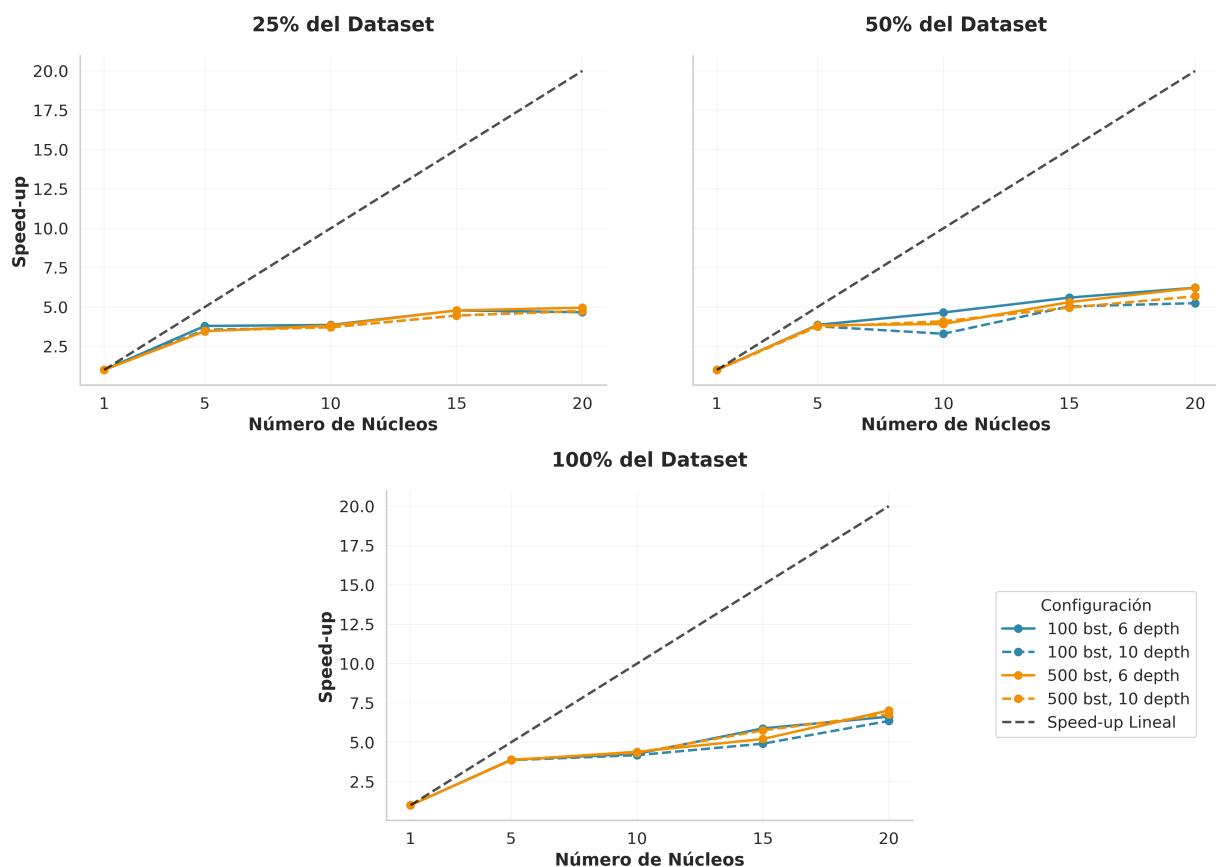


Figura S2. Speed-up

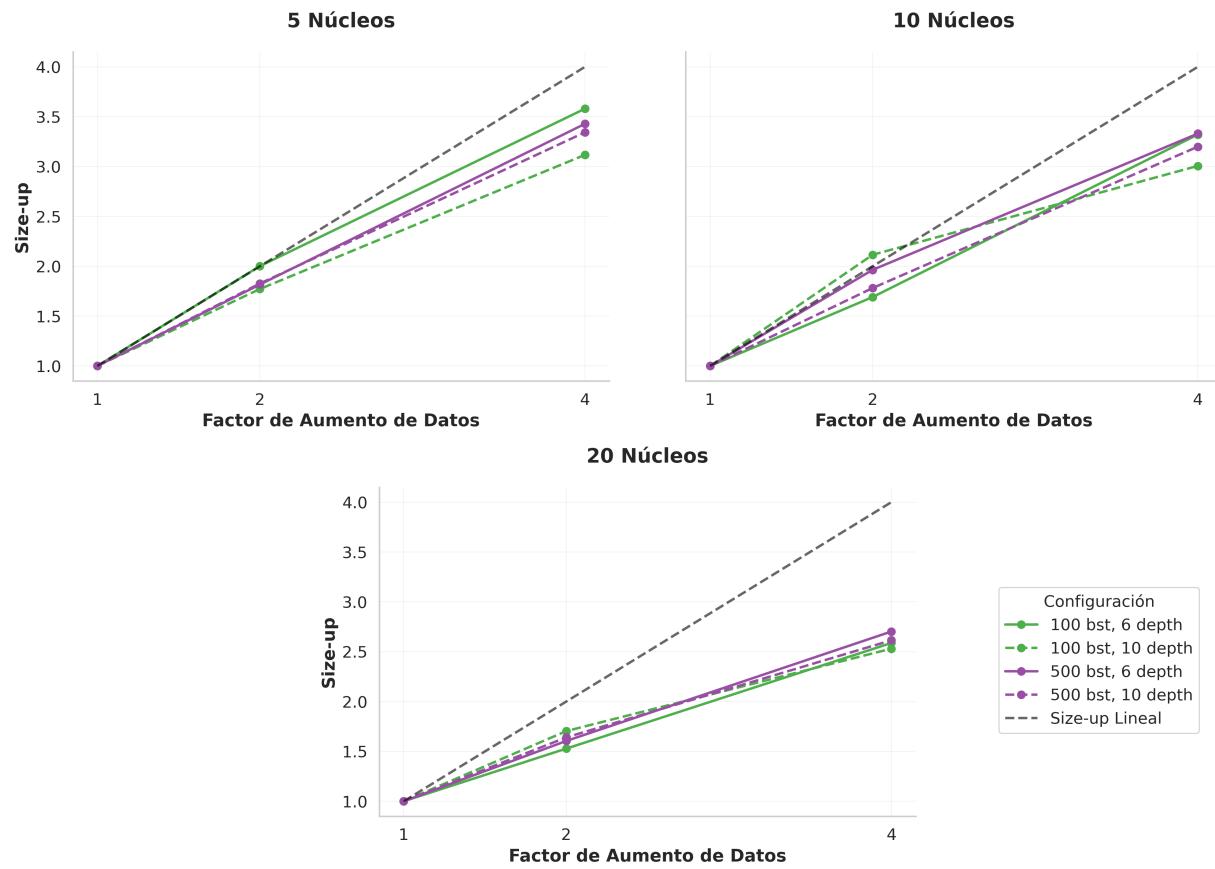


Figura S3. *Size-up*

B. MSLR-WEB10K

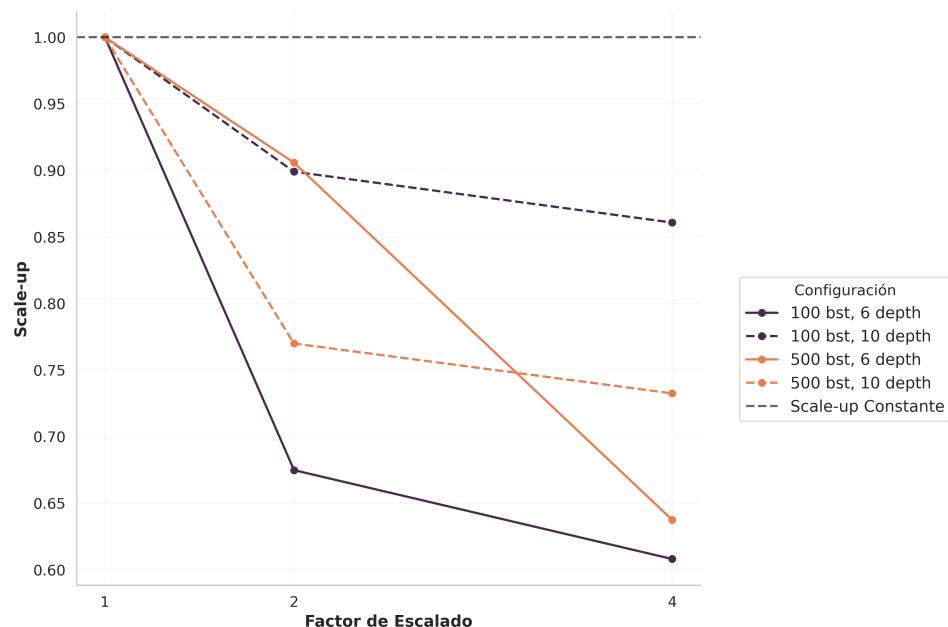


Figura S4. Scale-up

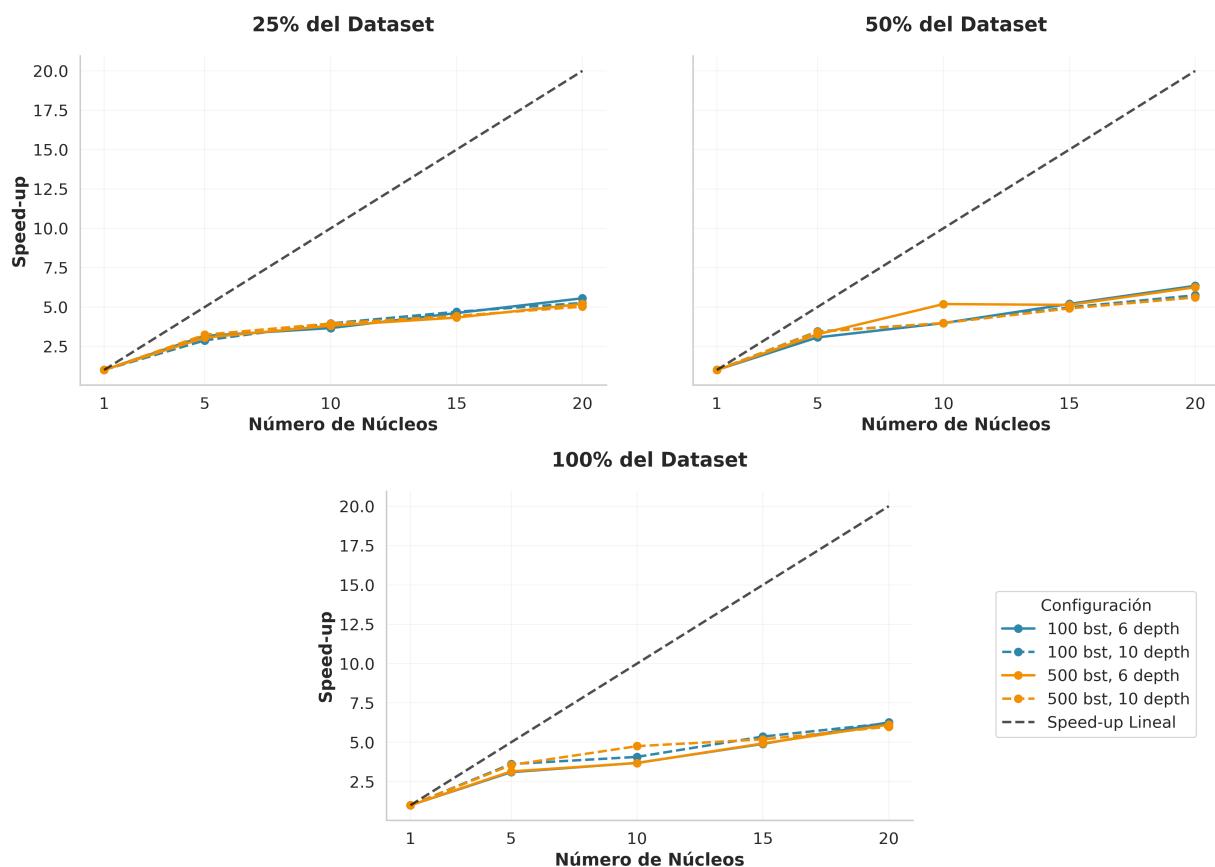


Figura S5. Speed-up

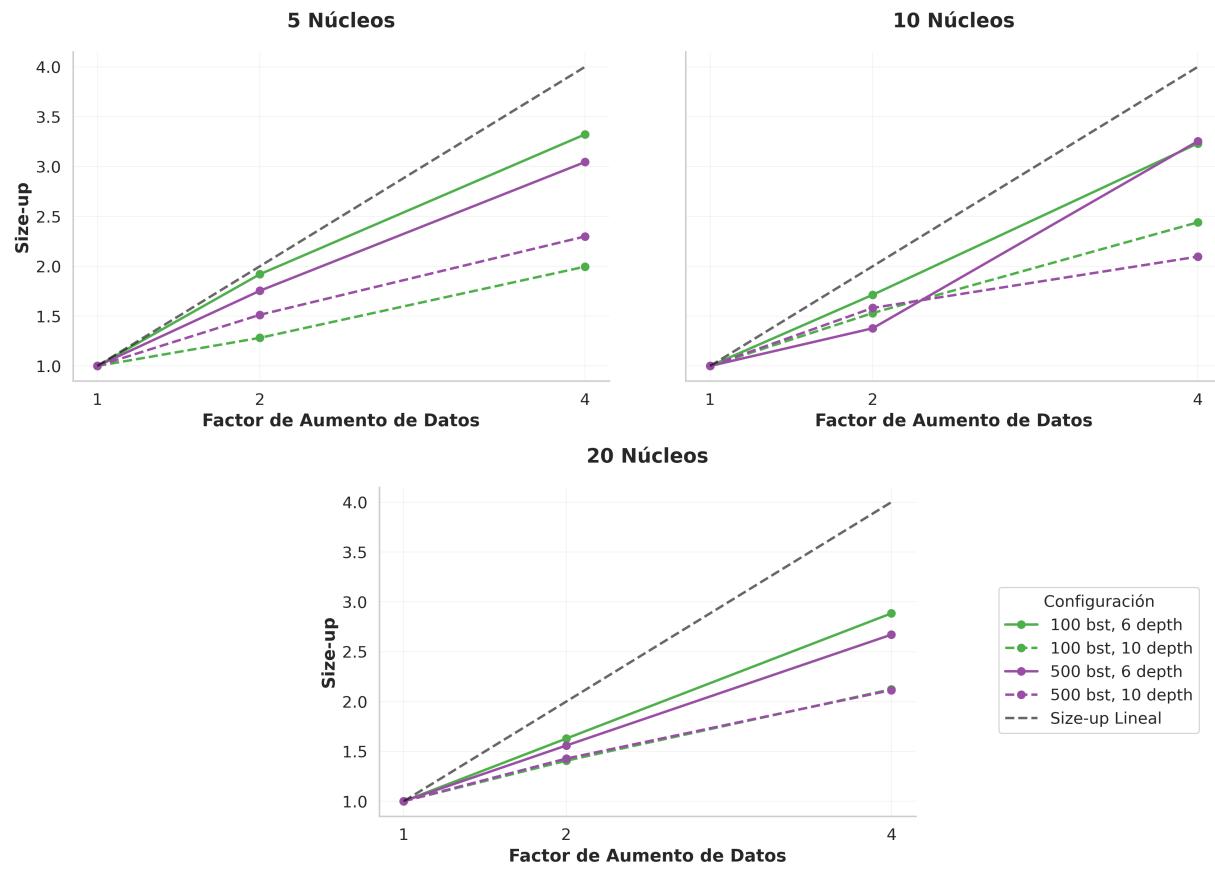


Figura S6. *Size-up*

C. SUSY

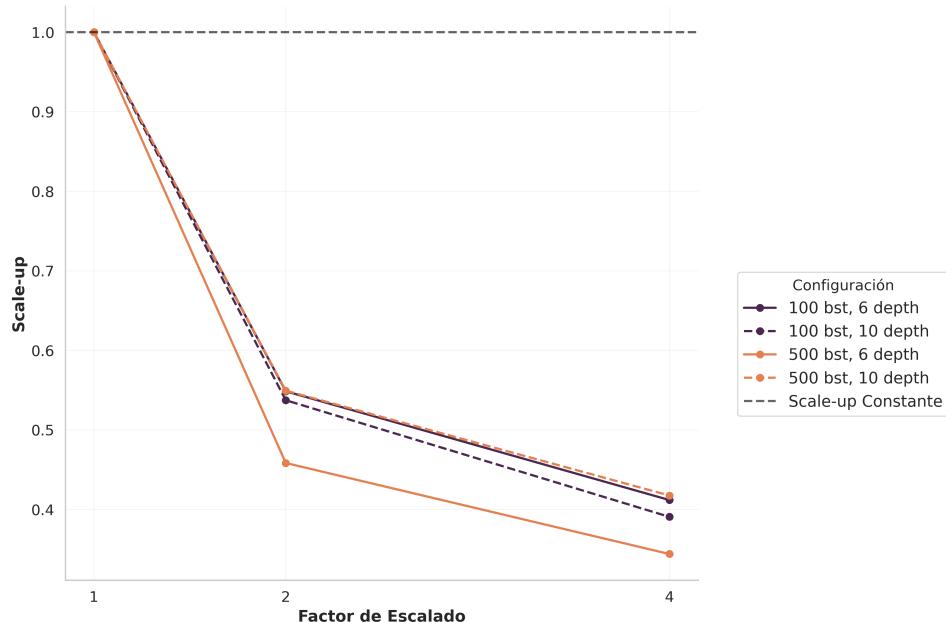


Figura S7. *Scale-up*

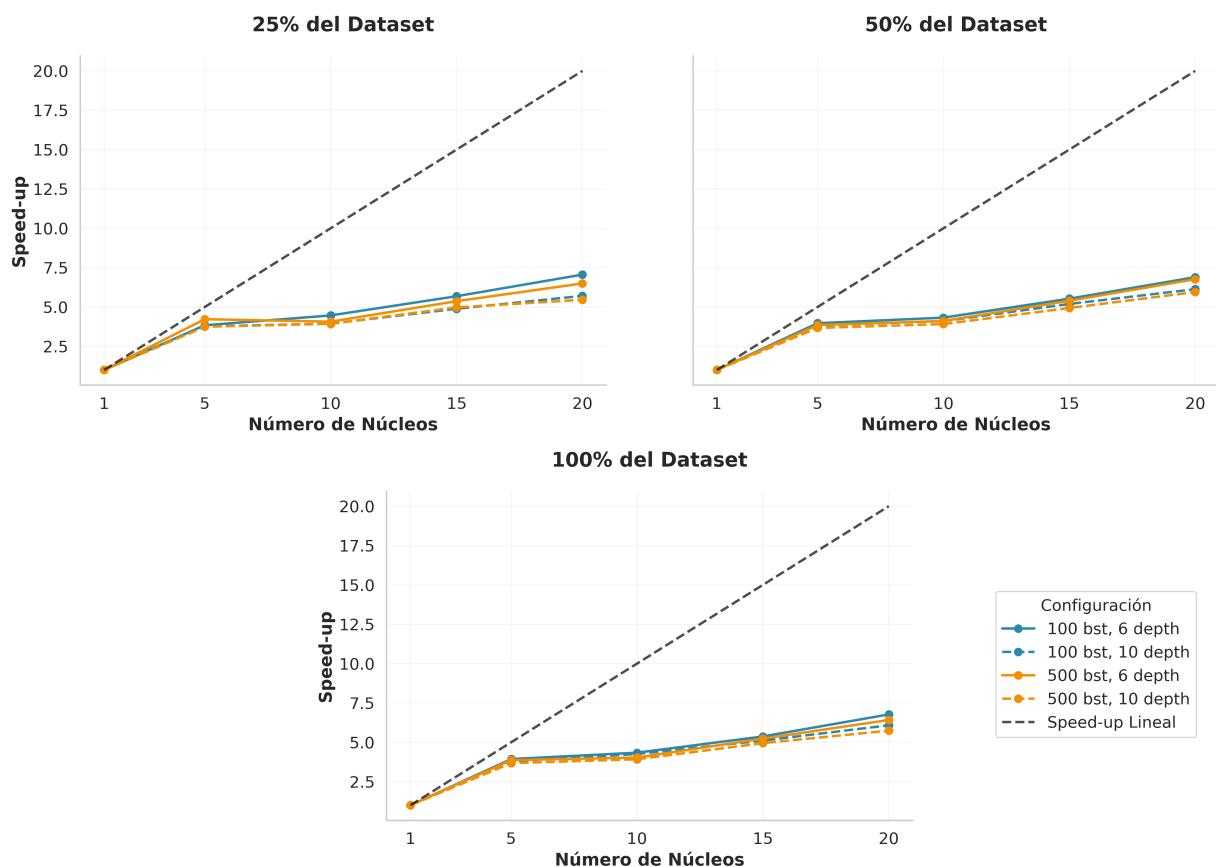


Figura S8. *Speed-up*

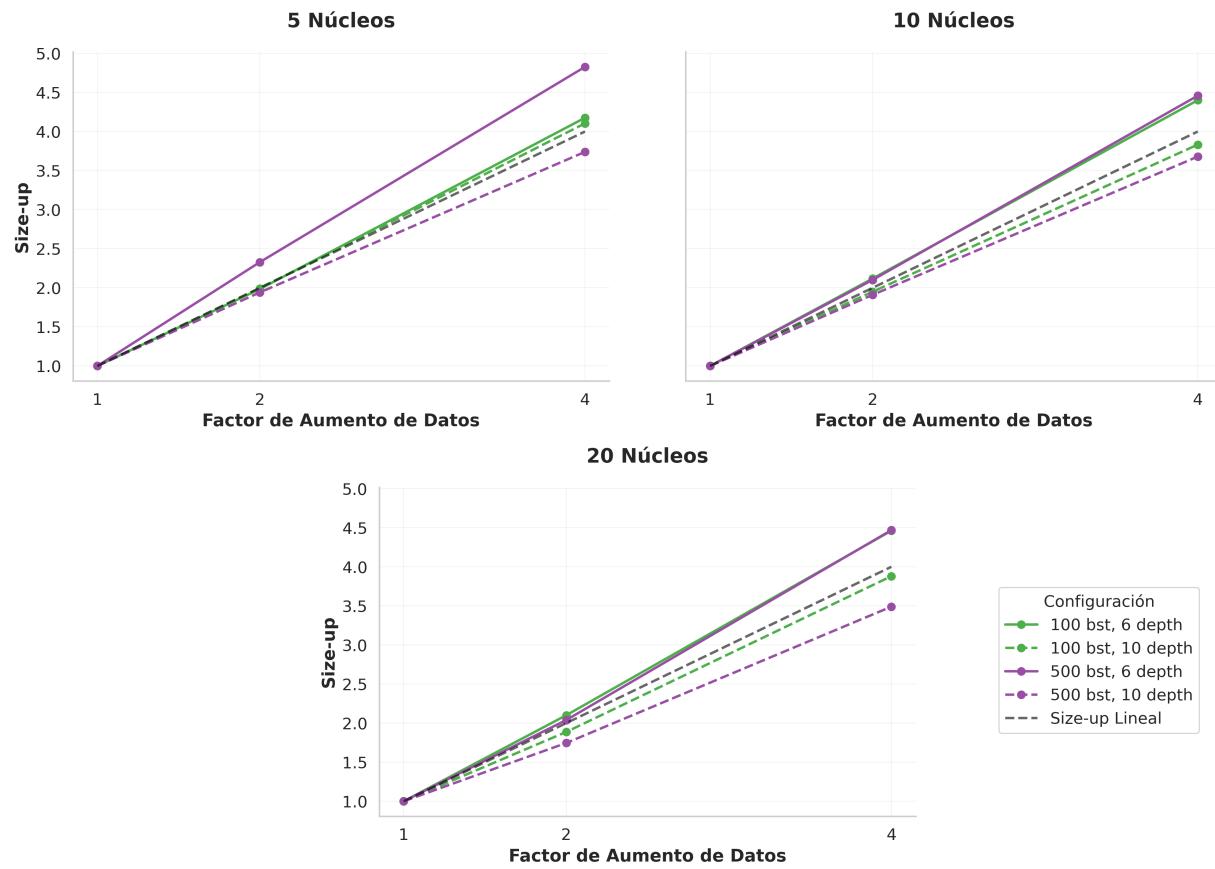


Figura S9. *Size-up*

D. NYC TLC (2015)

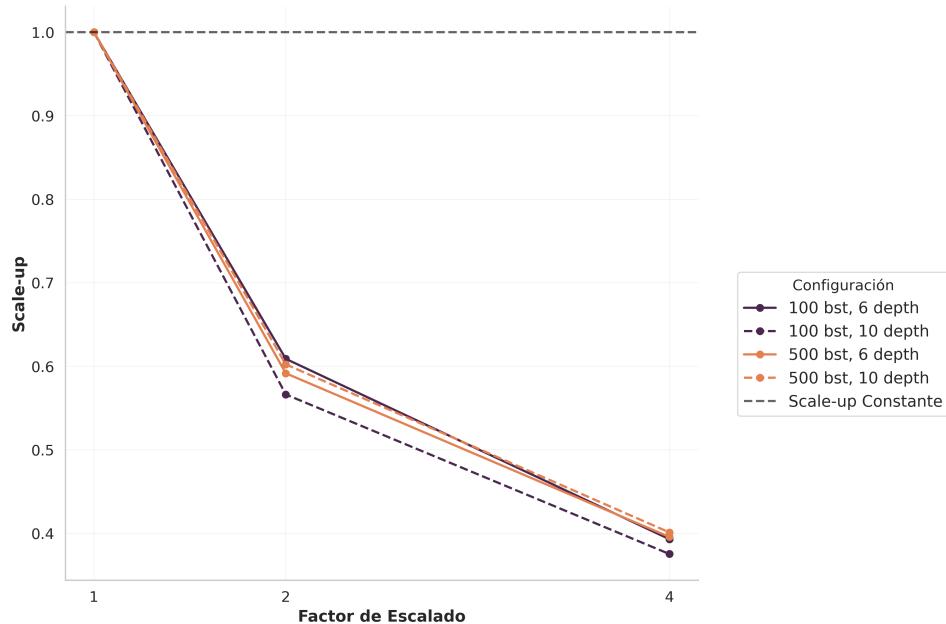


Figura S10. *Scale-up*

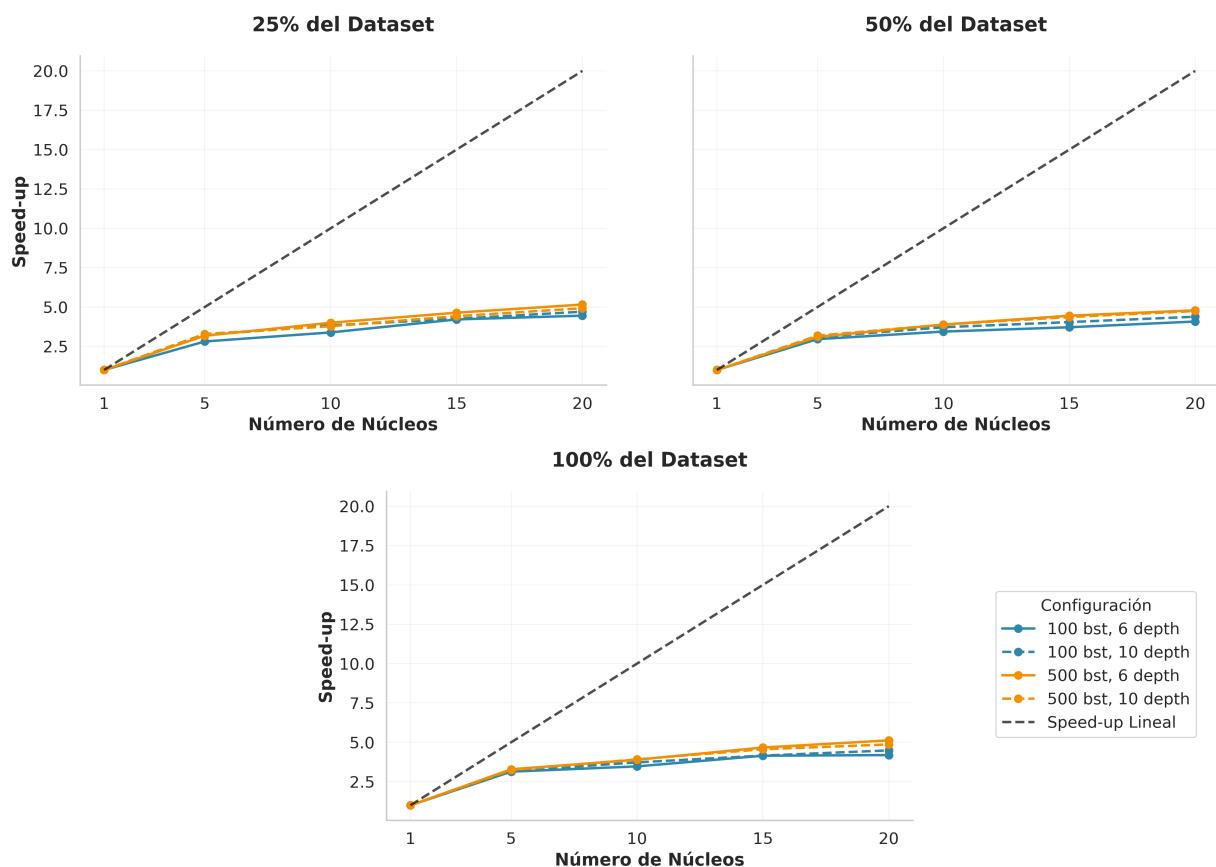


Figura S11. *Speed-up*

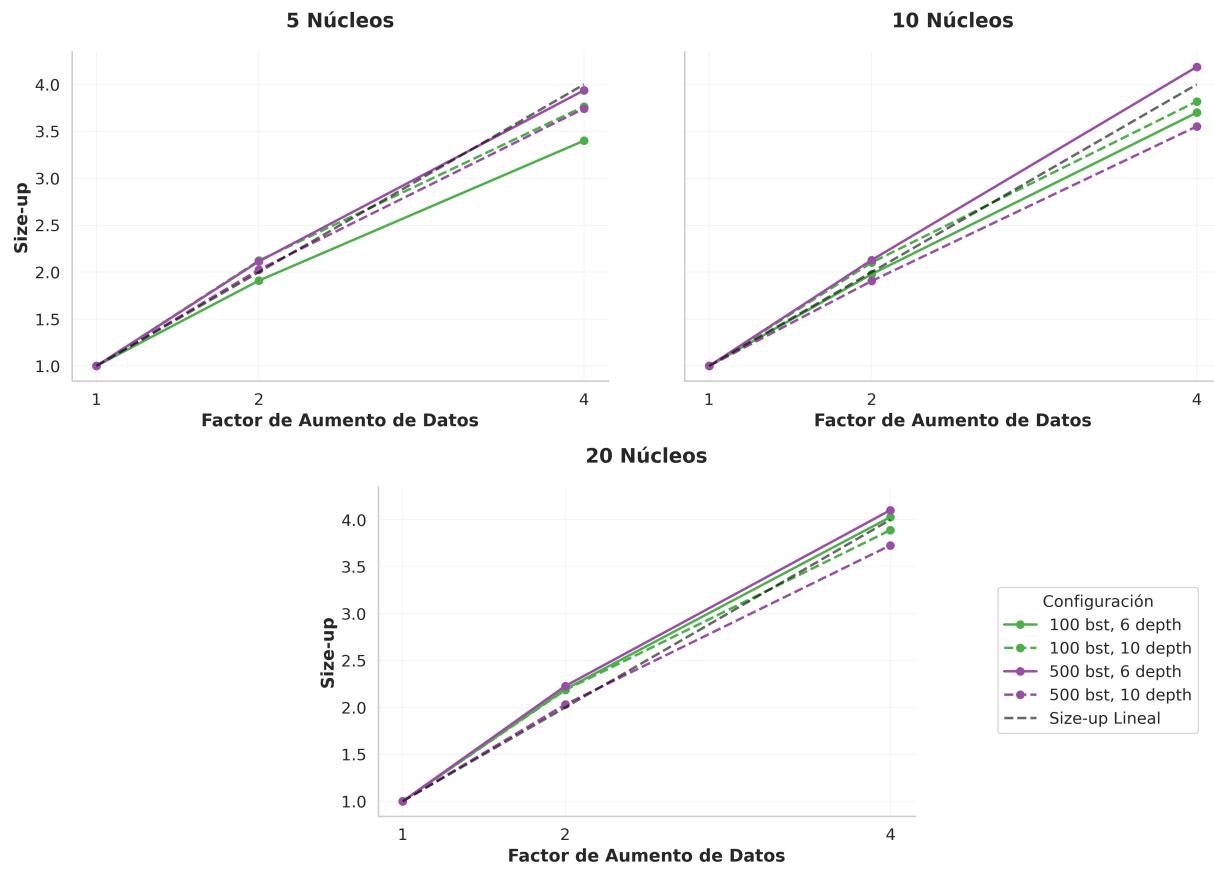


Figura S12. *Size-up*

E. Year Prediction

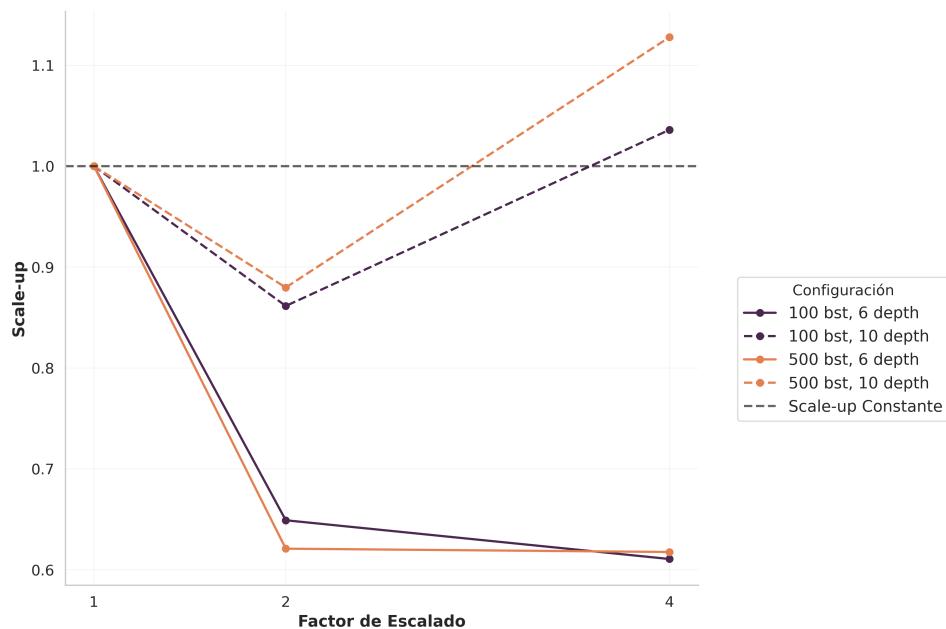


Figura S13. Scale-up

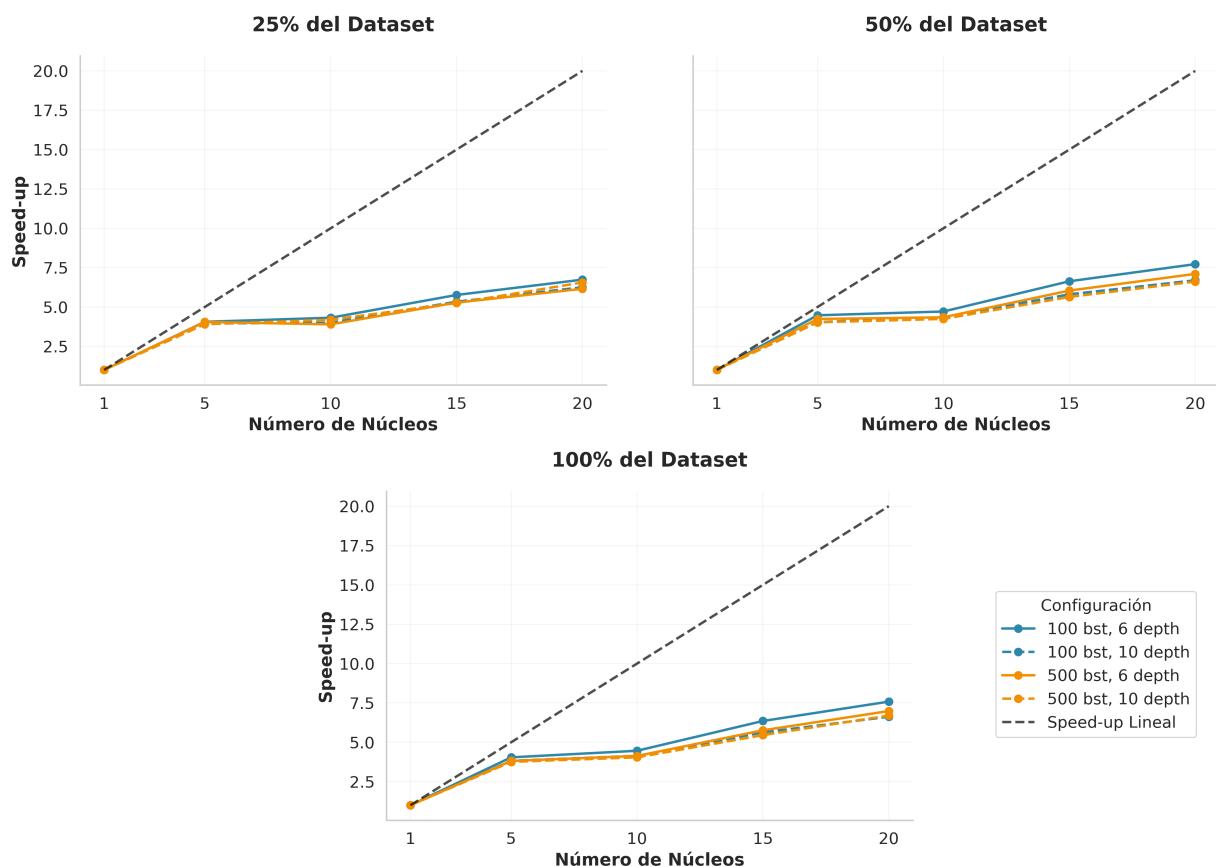


Figura S14. Speed-up

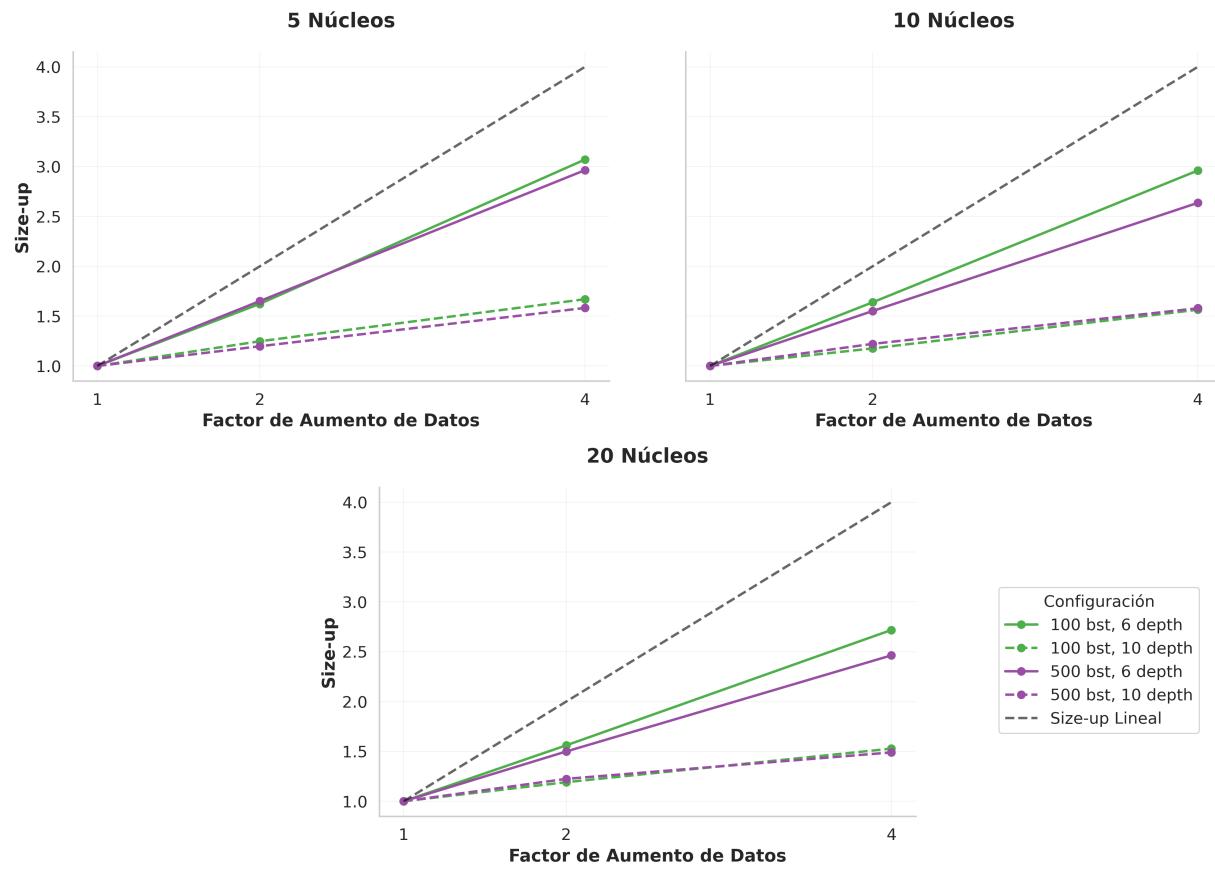


Figura S15. *Size-up*

2. XGBOOST (GPU)

A. Covertype

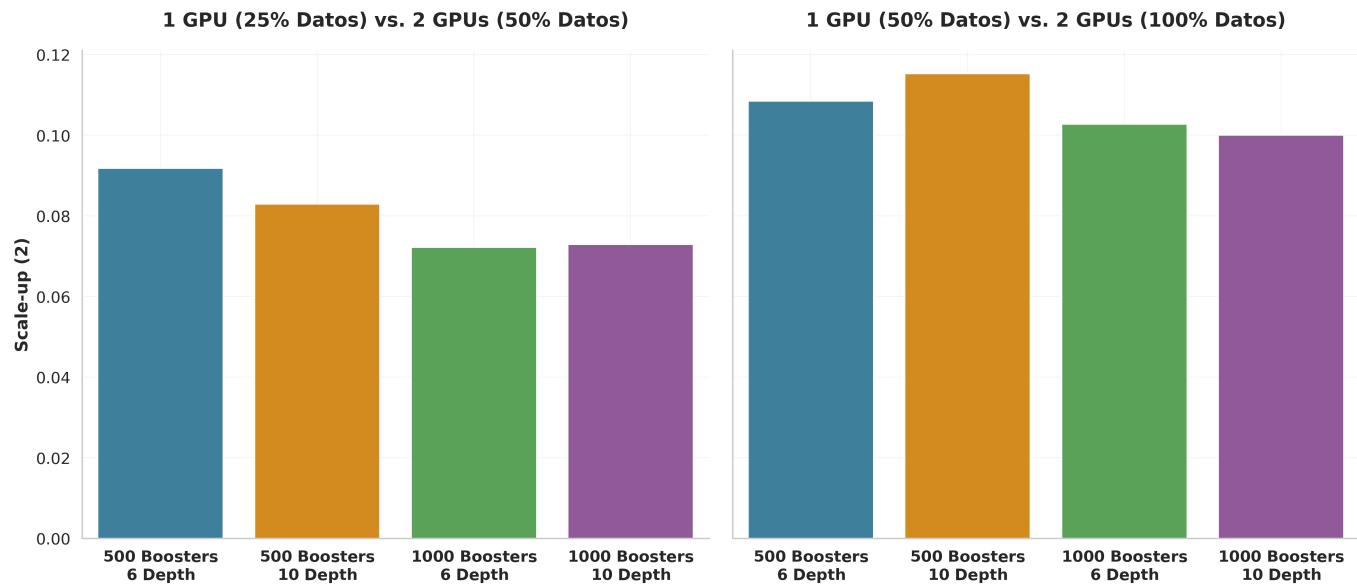


Figura S16. *Scale-up*

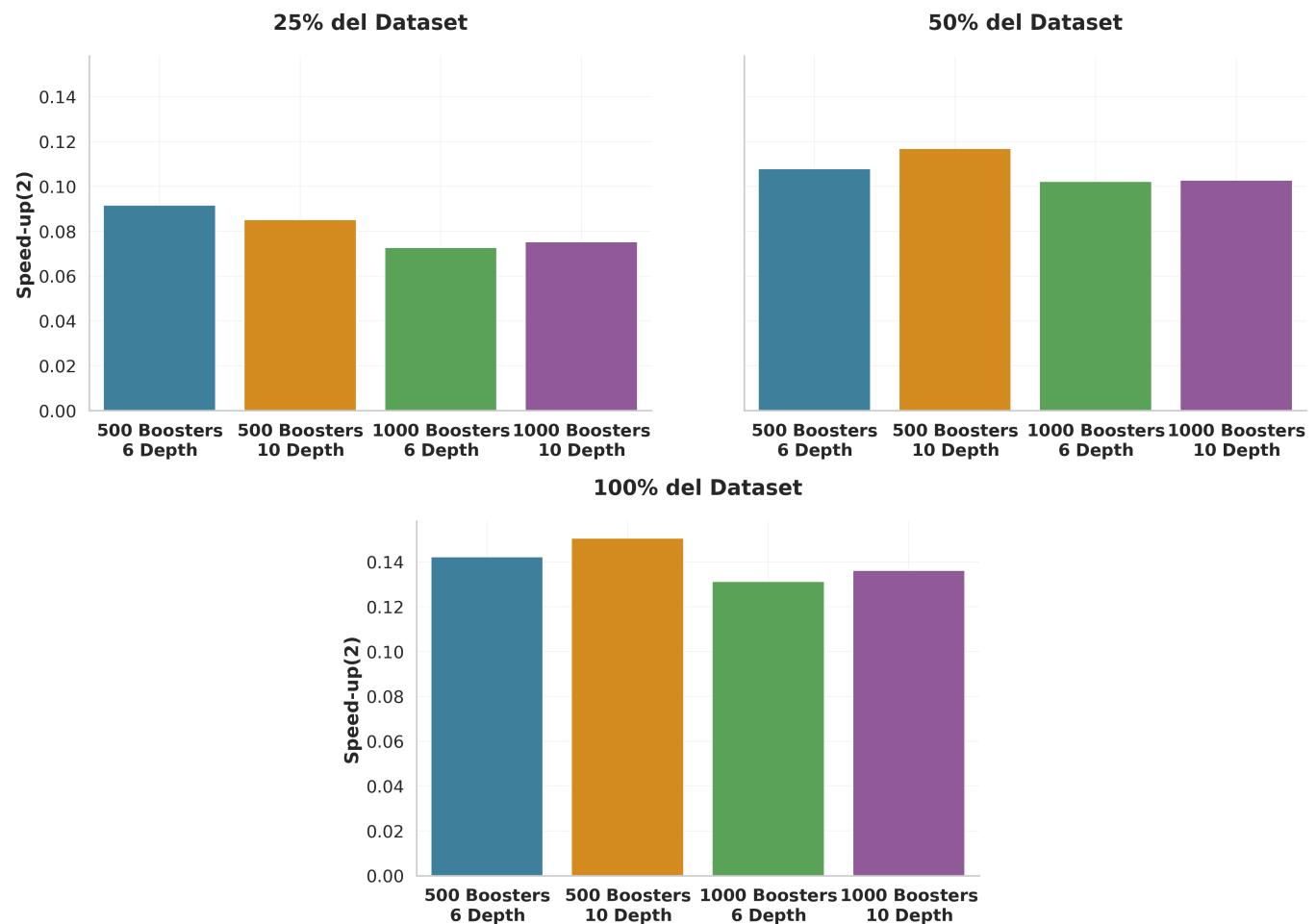


Figura S17. *Speed-up*

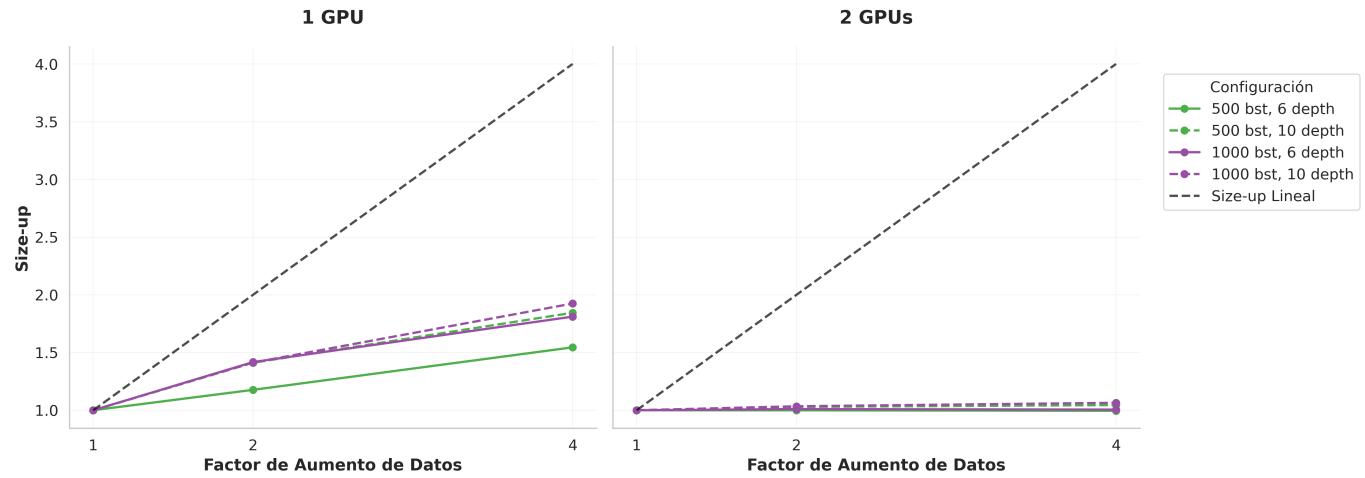


Figura S18. *Size-up*

B. MSLR-WEB10K

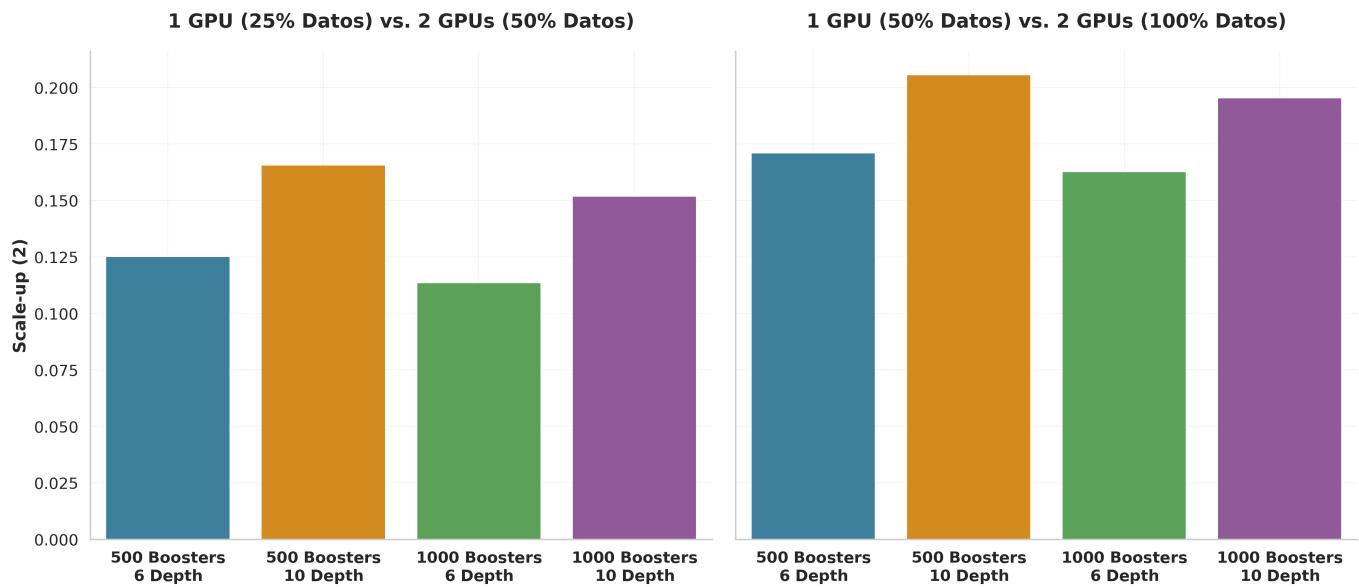


Figura S19. *Scale-up*

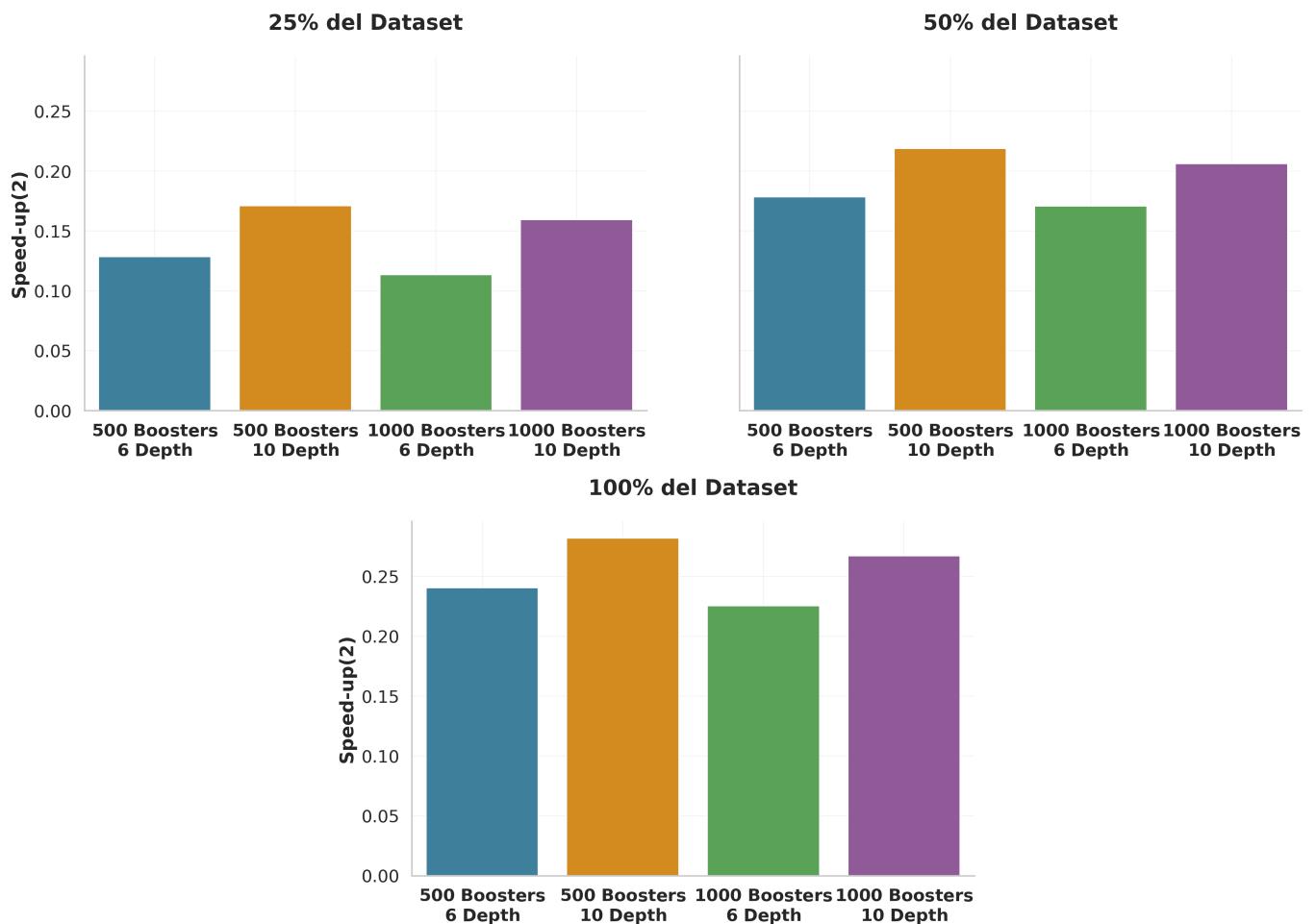


Figura S20. *Speed-up*

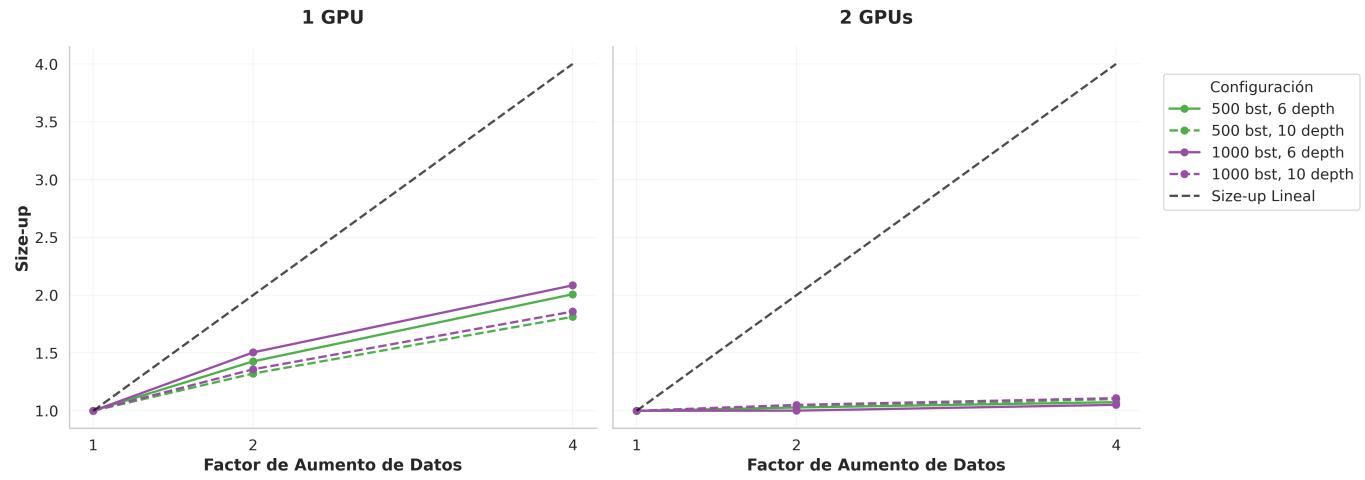


Figura S21. *Size-up*

C. SUSY

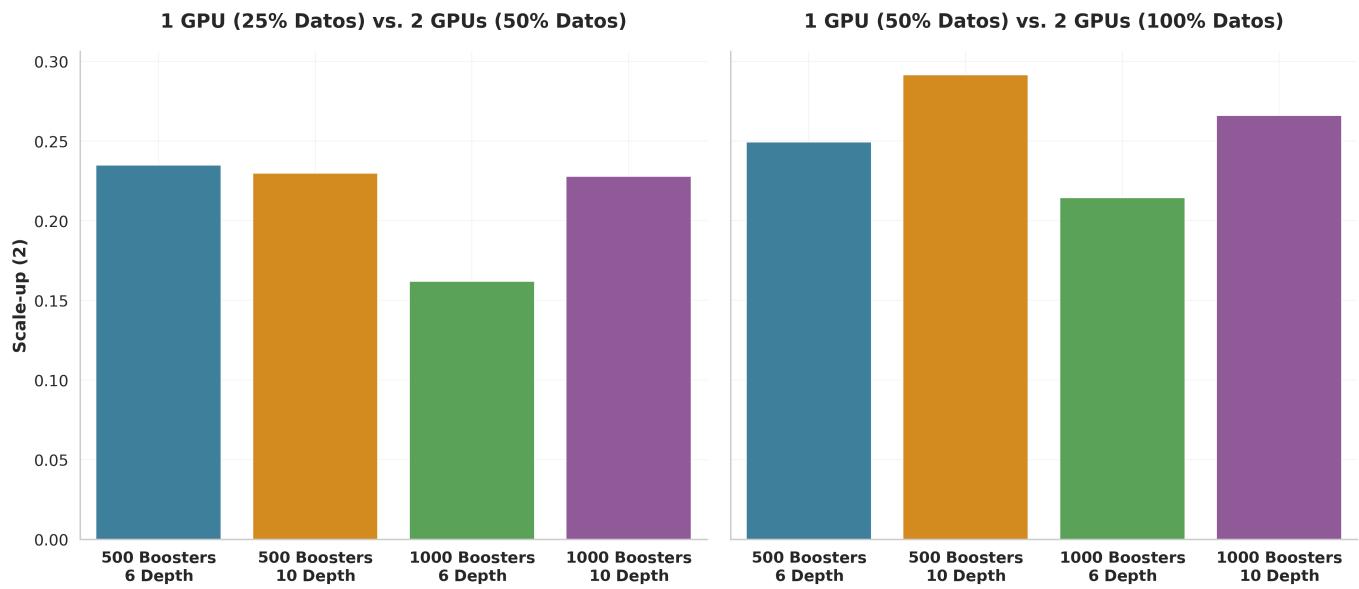


Figura S22. Scale-up

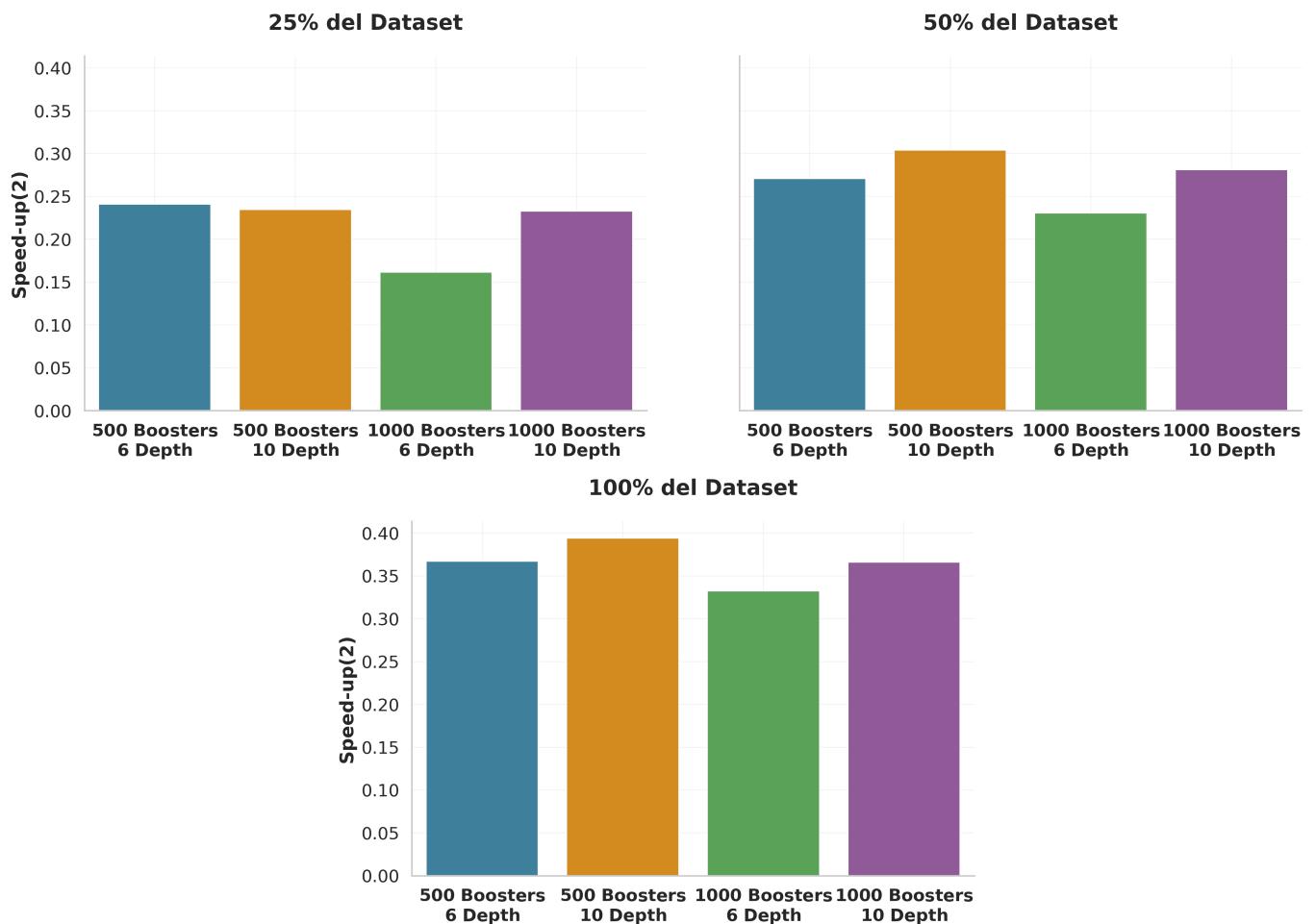


Figura S23. Speed-up

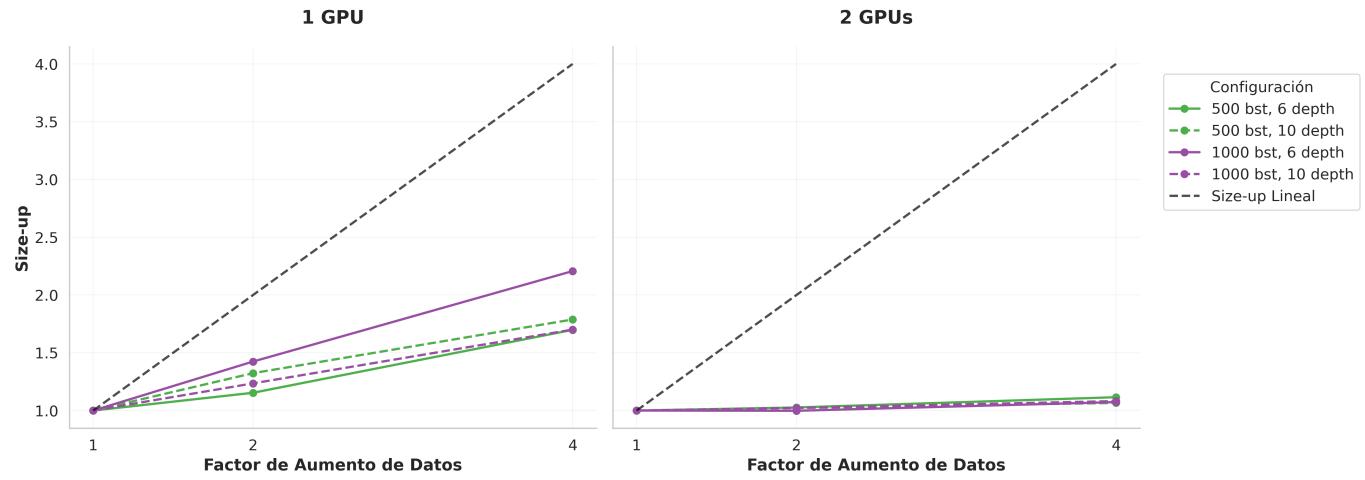


Figura S24. *Size-up*

D. NYC TLC (2015)

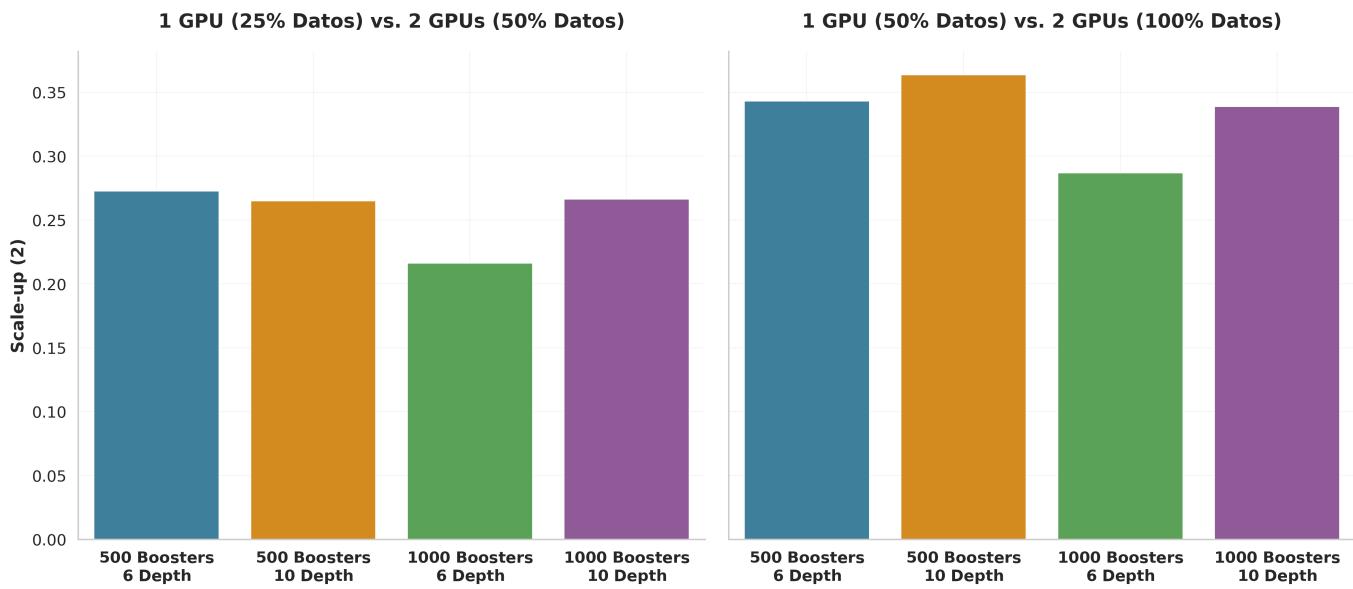


Figura S25. Scale-up

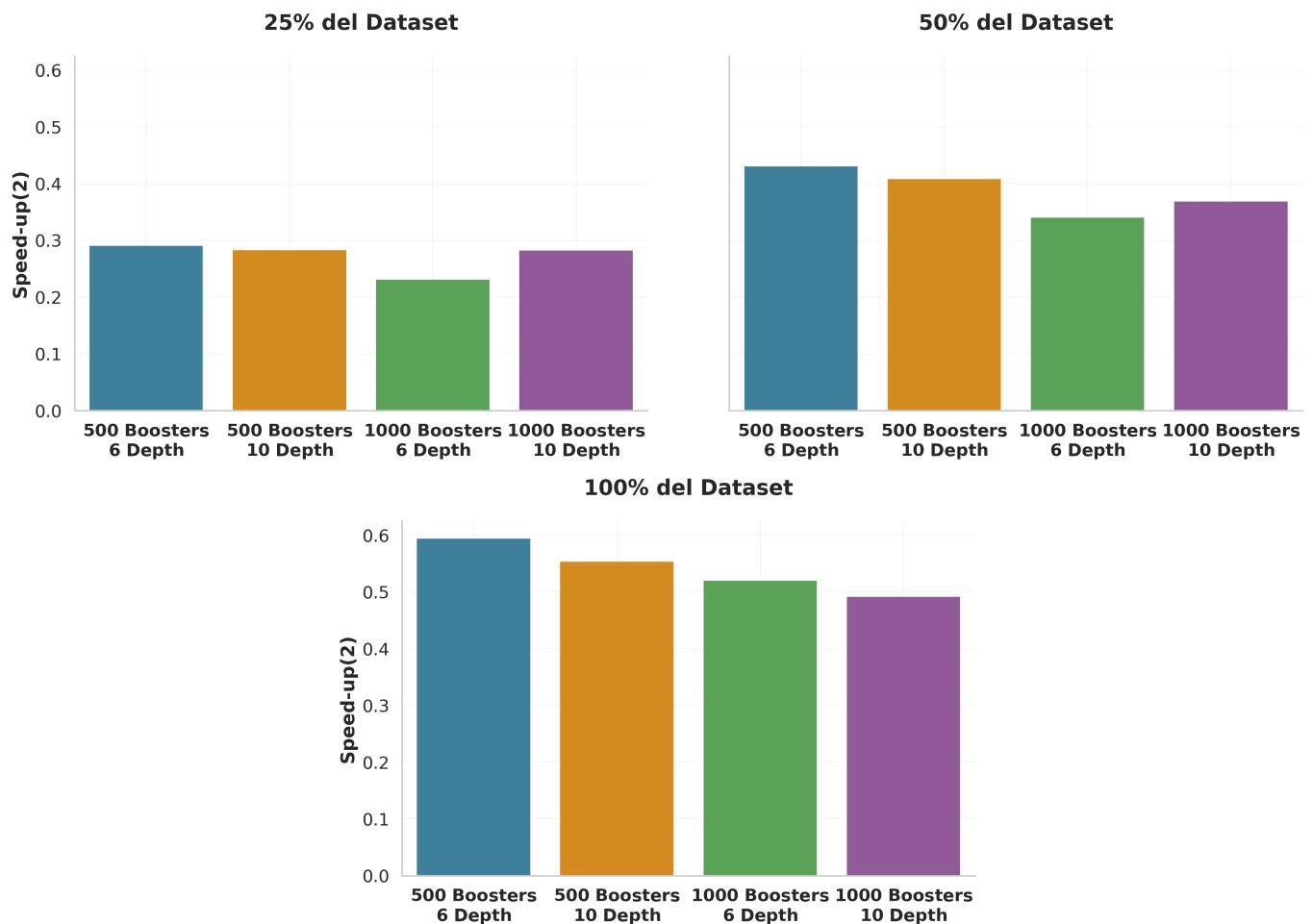


Figura S26. Speed-up

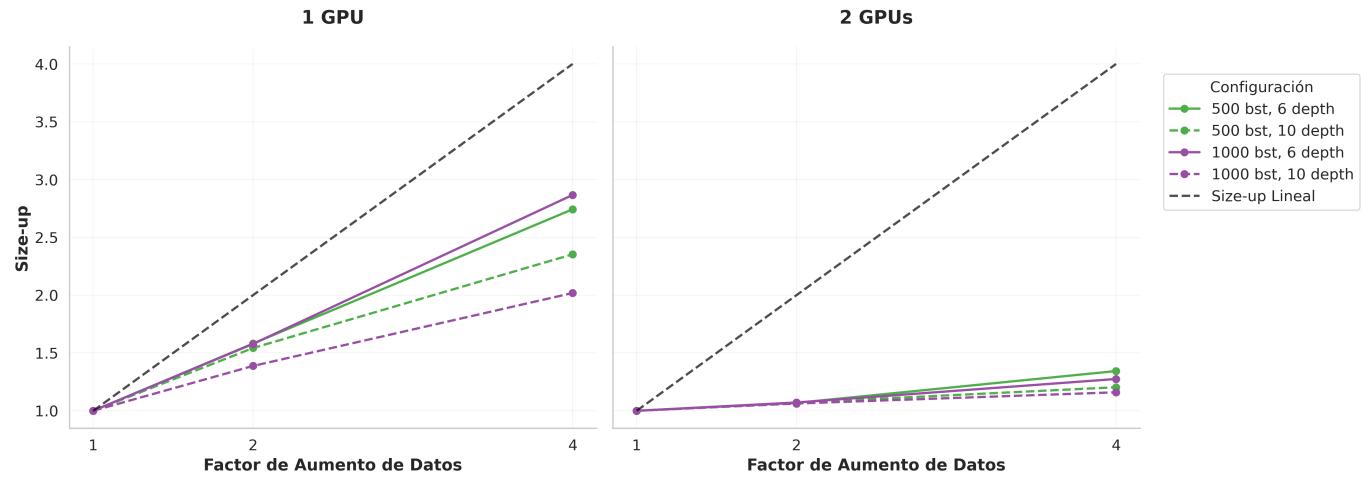


Figura S27. *Size-up*

E. Year Prediction

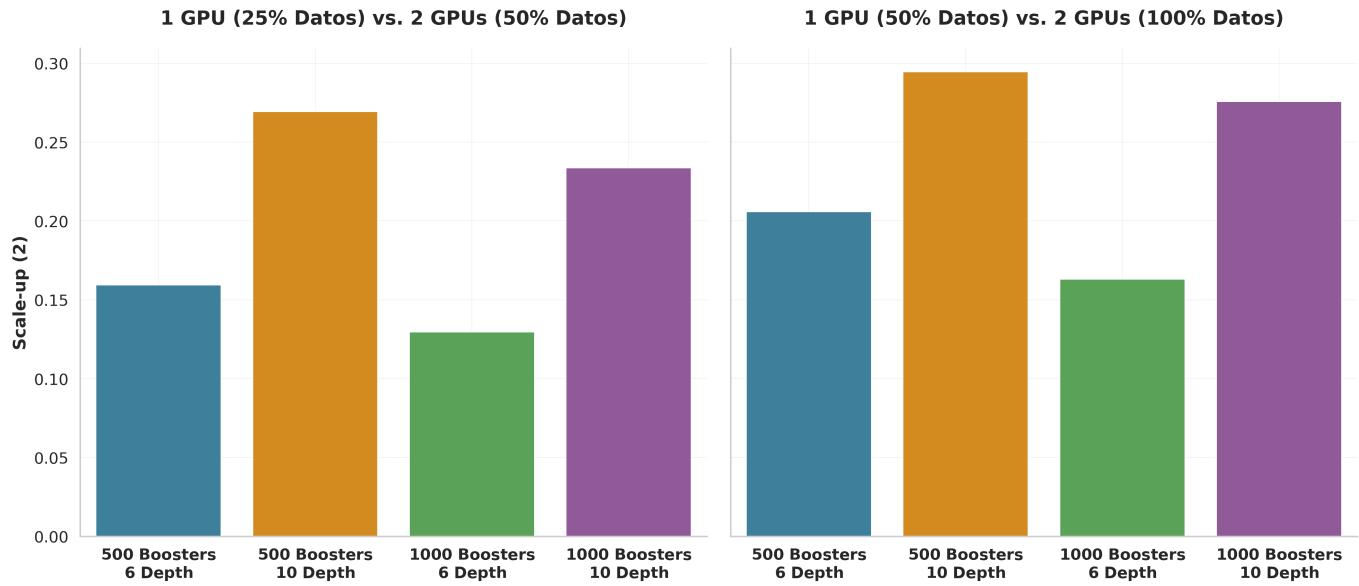


Figura S28. Scale-up

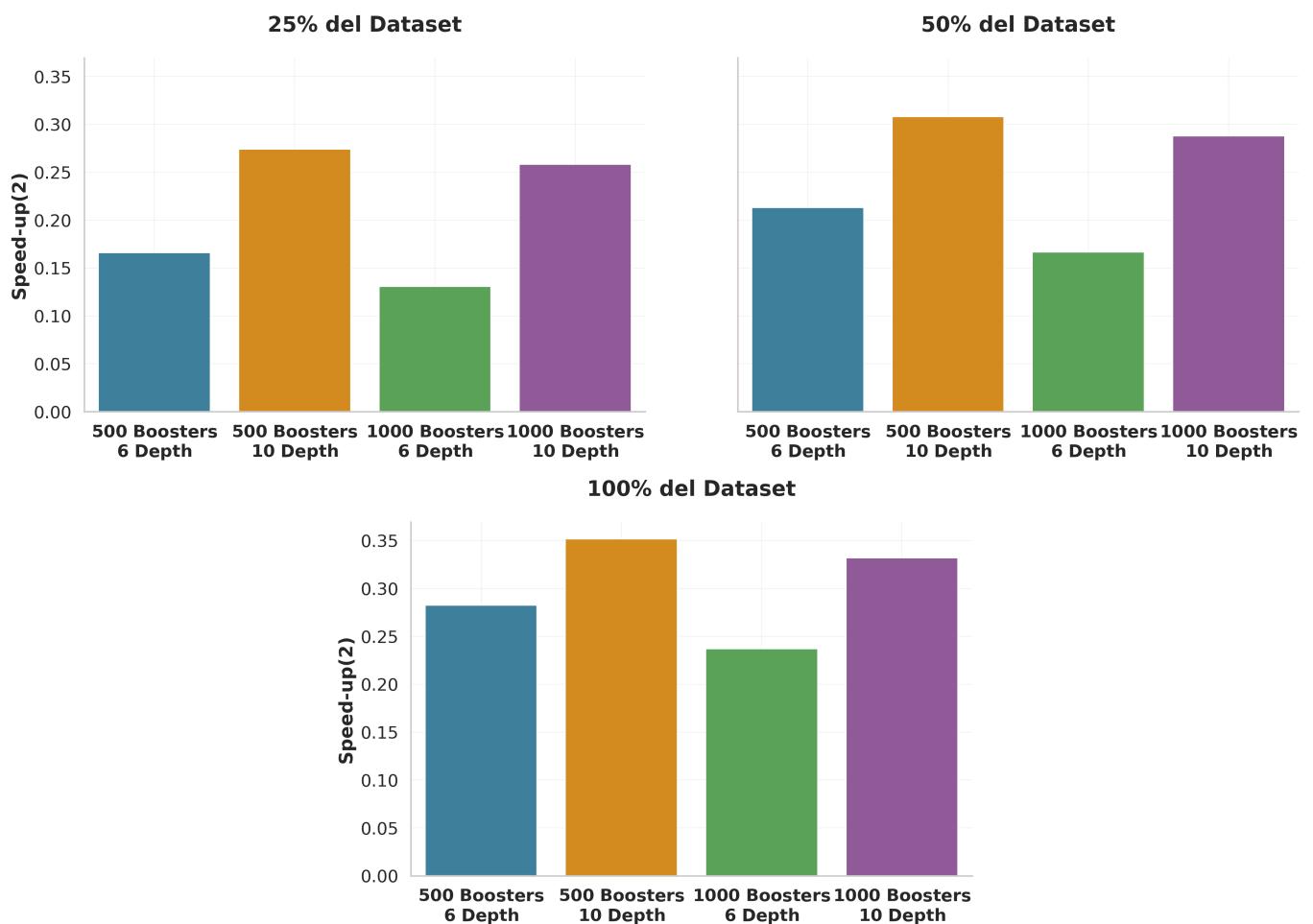


Figura S29. Speed-up

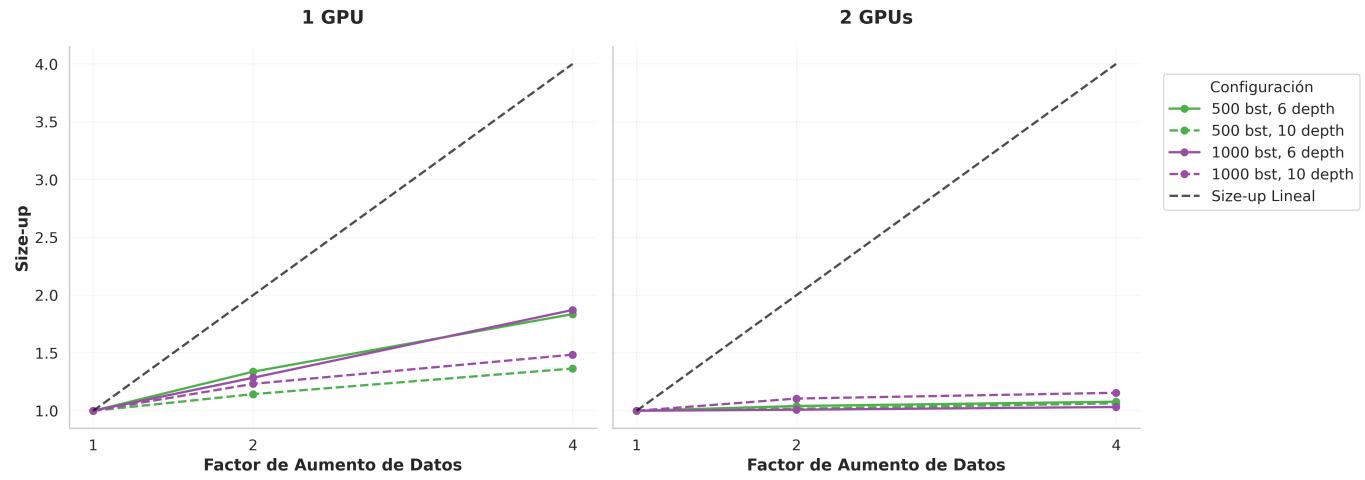


Figura S30. *Size-up*

3. XGBOOST (GPU VS. CPU)

A. Covertype

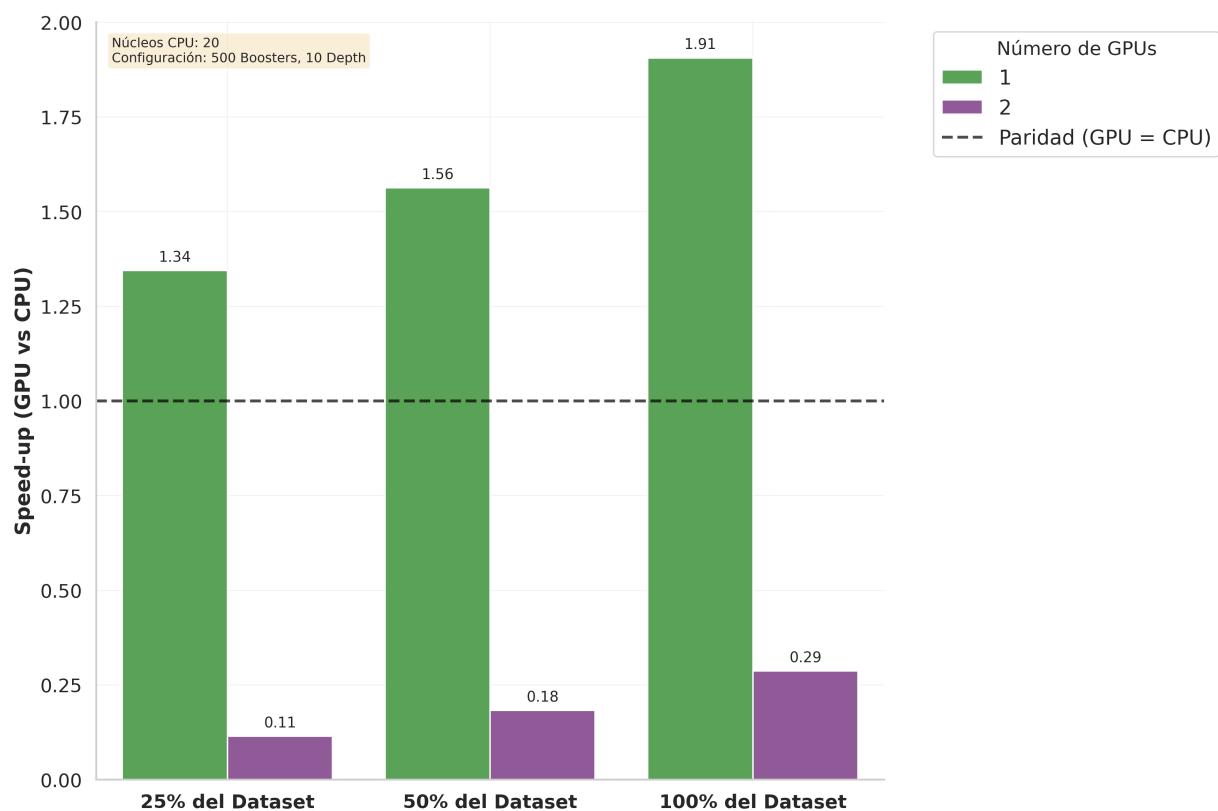


Figura S31. Speed-up

B. MSLR-WEB10K

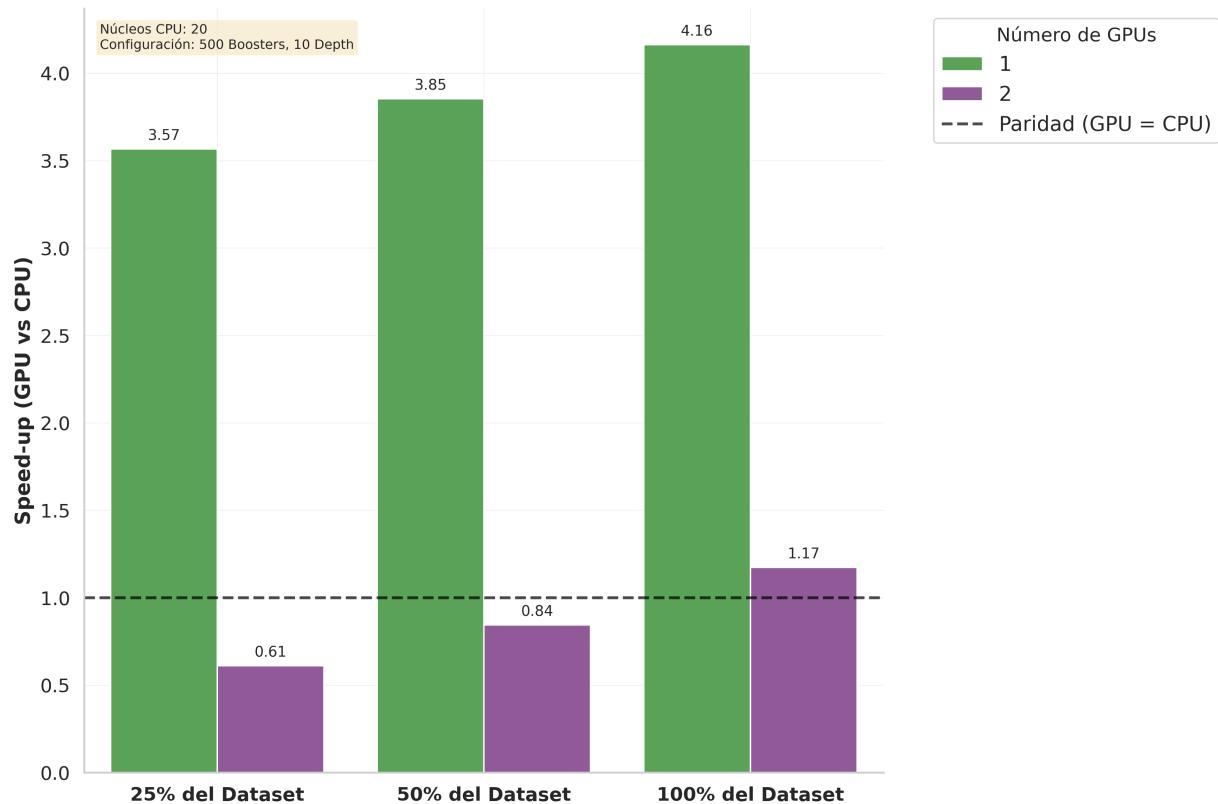


Figura S32. Speed-up

C. SUSY

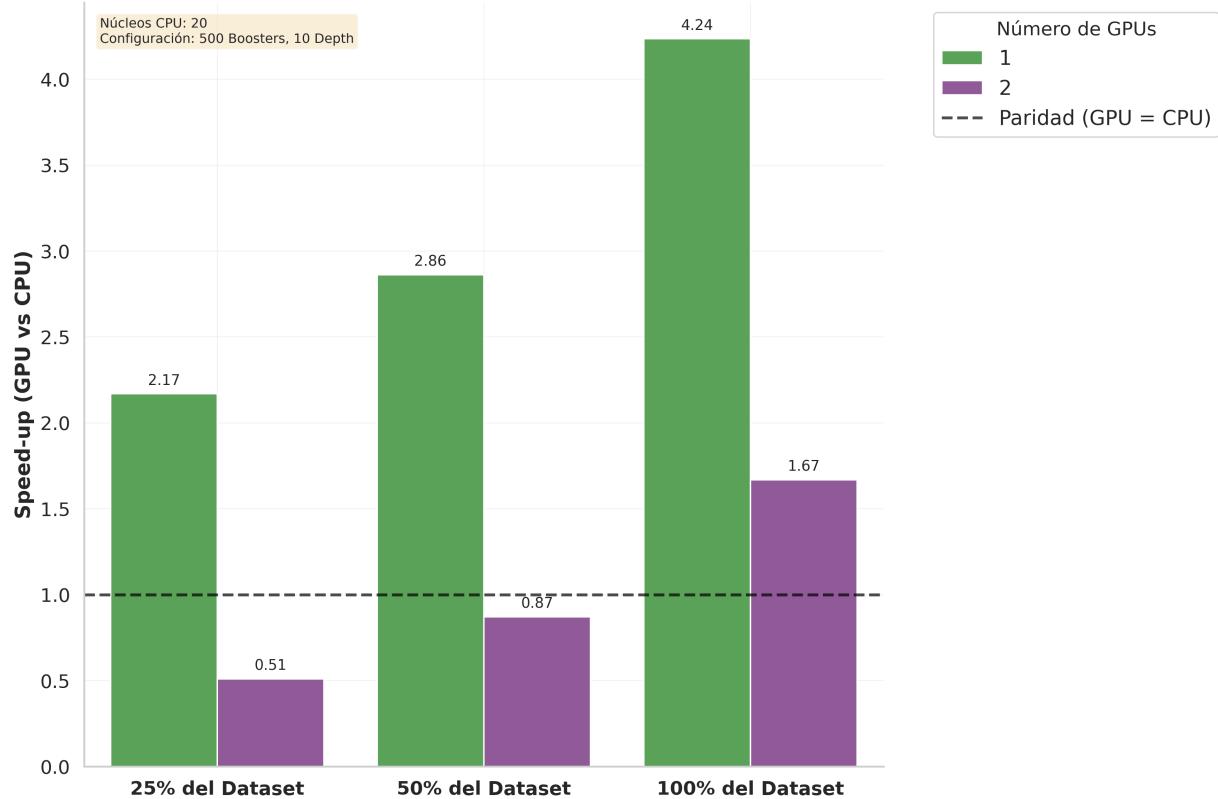


Figura S33. Speed-up

D. NYC TLC (2015)

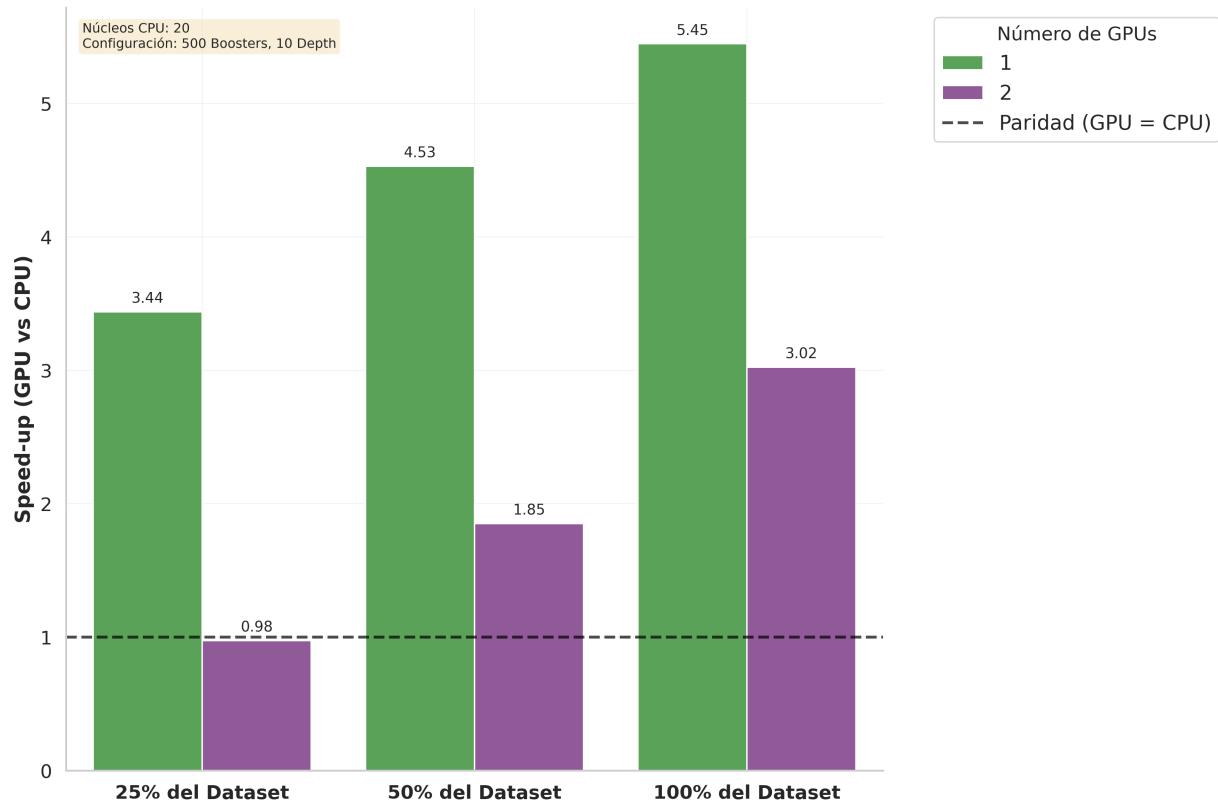


Figura S34. Speed-up

E. Year Prediction

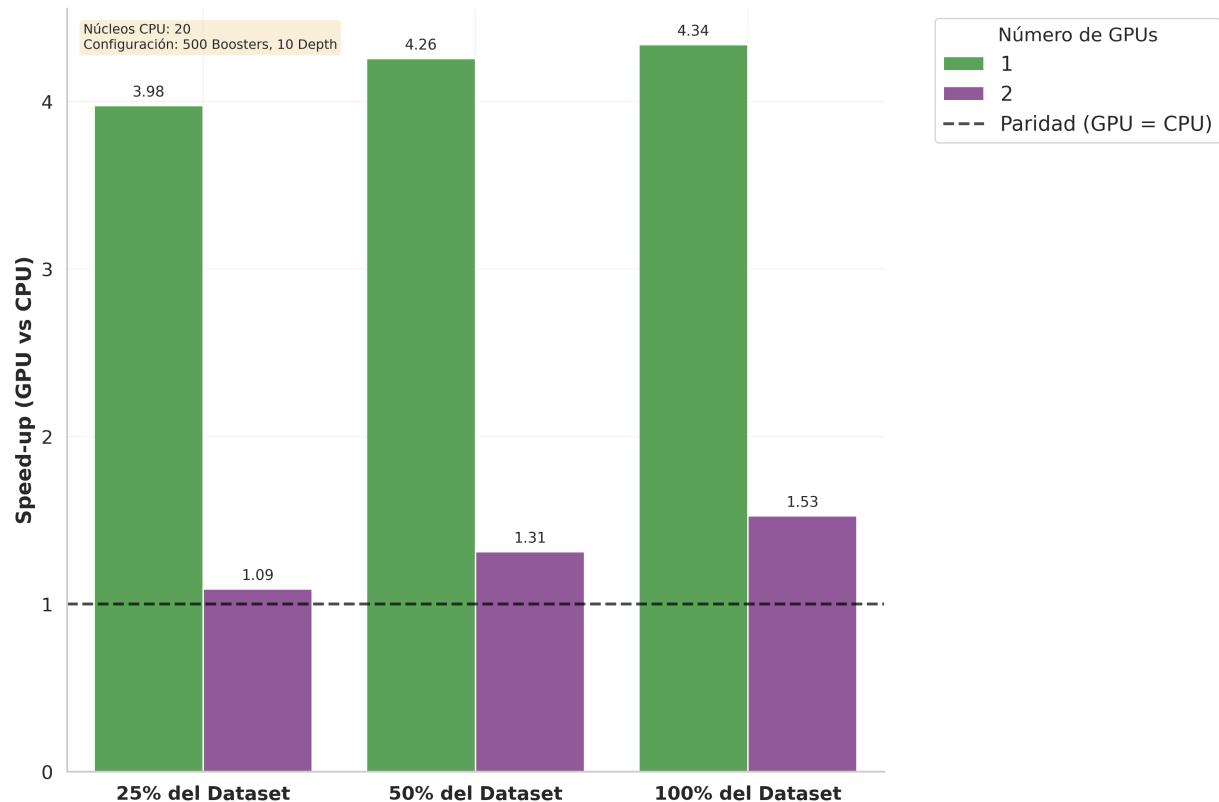


Figura S35. Speed-up

4. LLAMA

A. BookCorpus

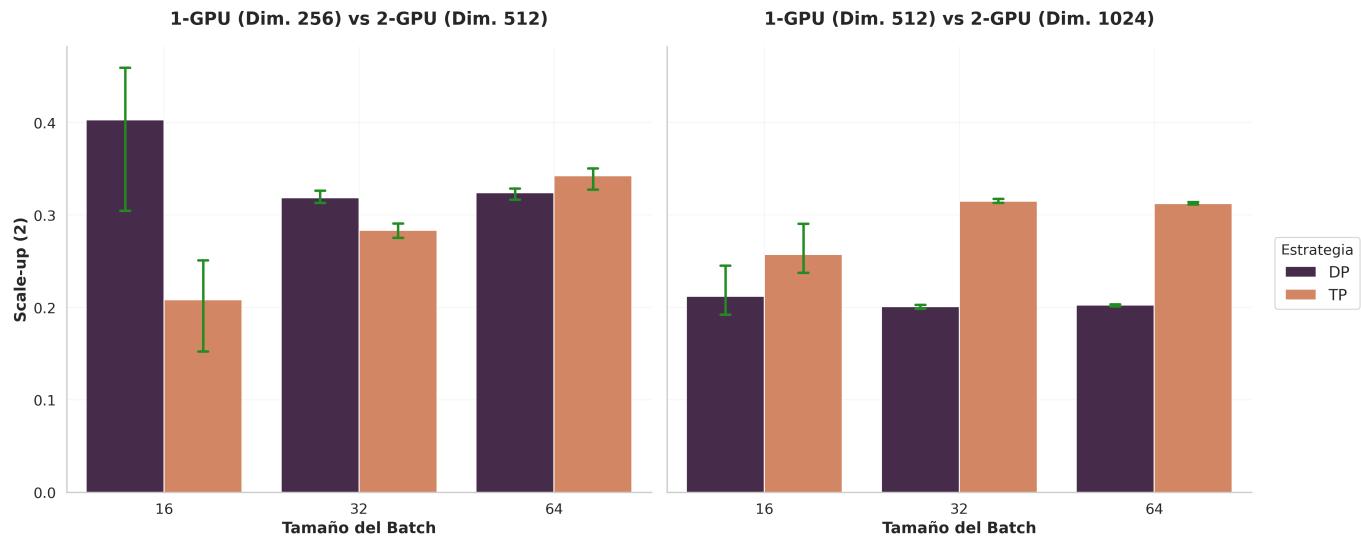


Figura S36. *Scale-up*

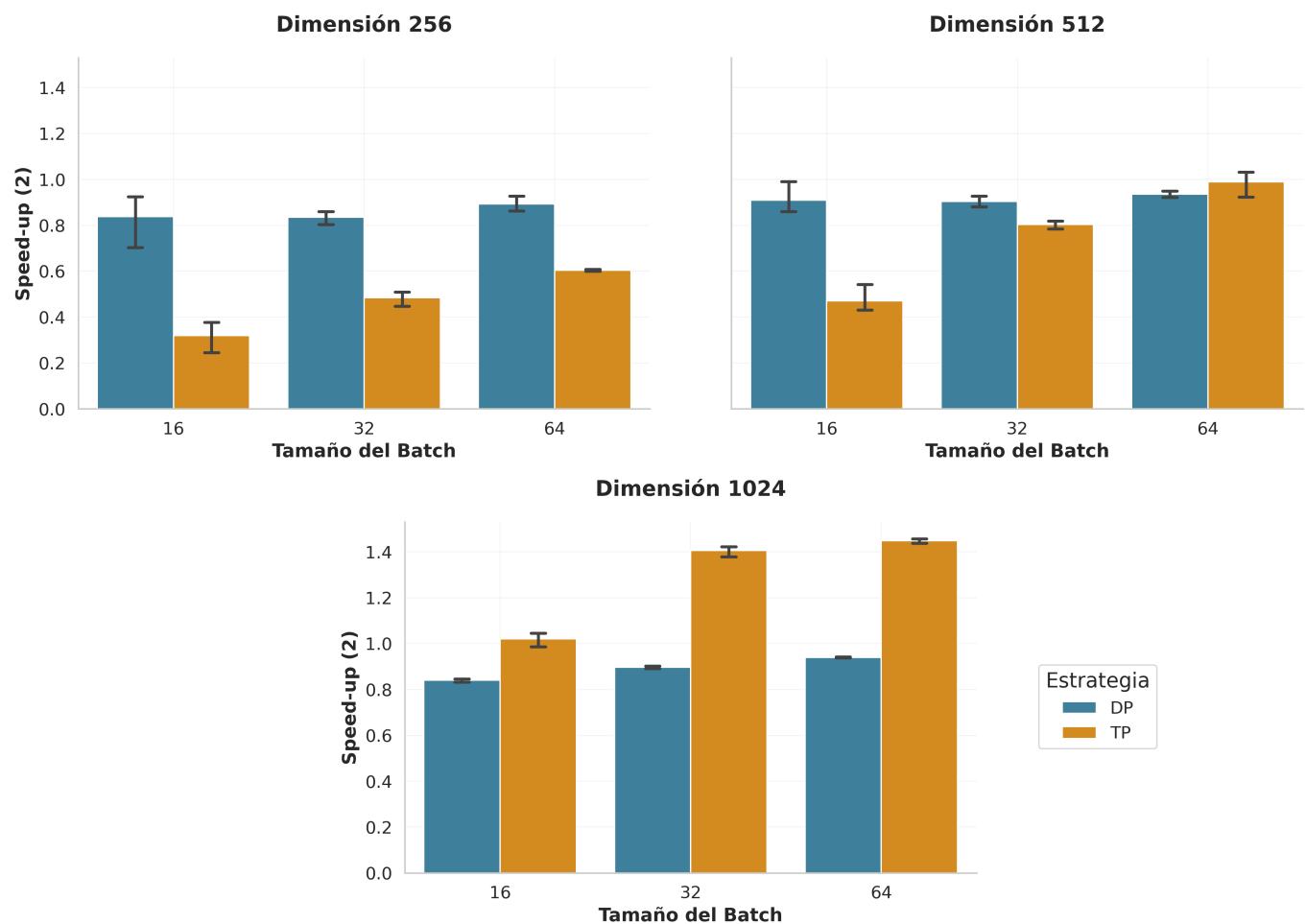


Figura S37. *Speed-up*

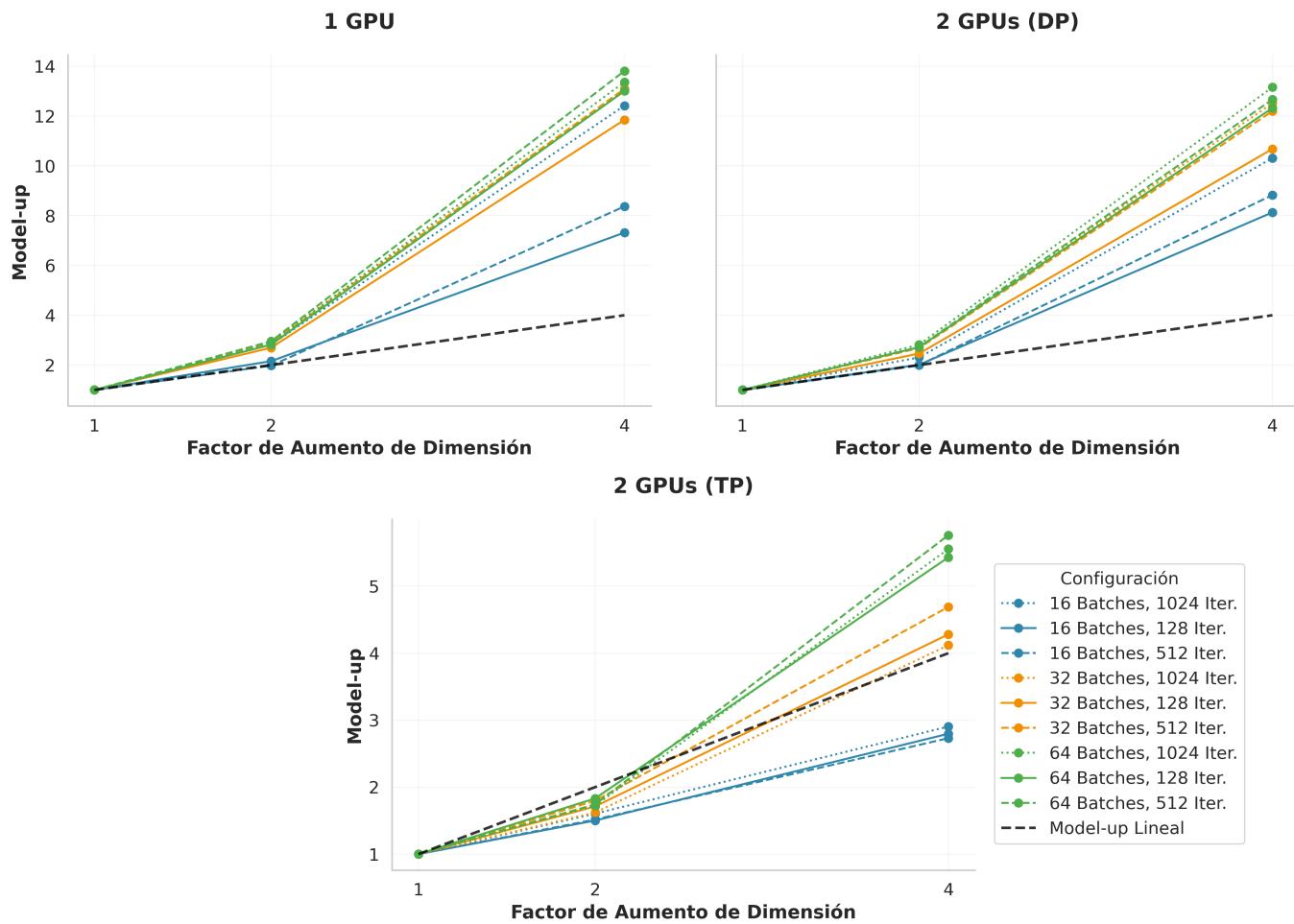


Figura S38. Model-up

B. PG-19

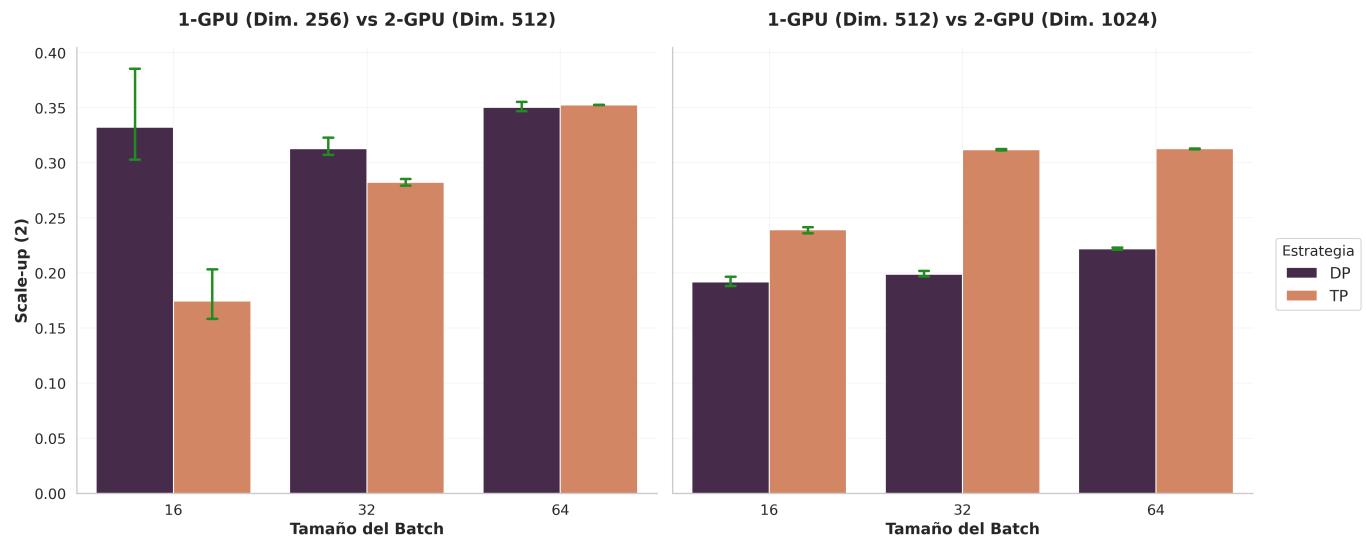


Figura S39. Scale-up

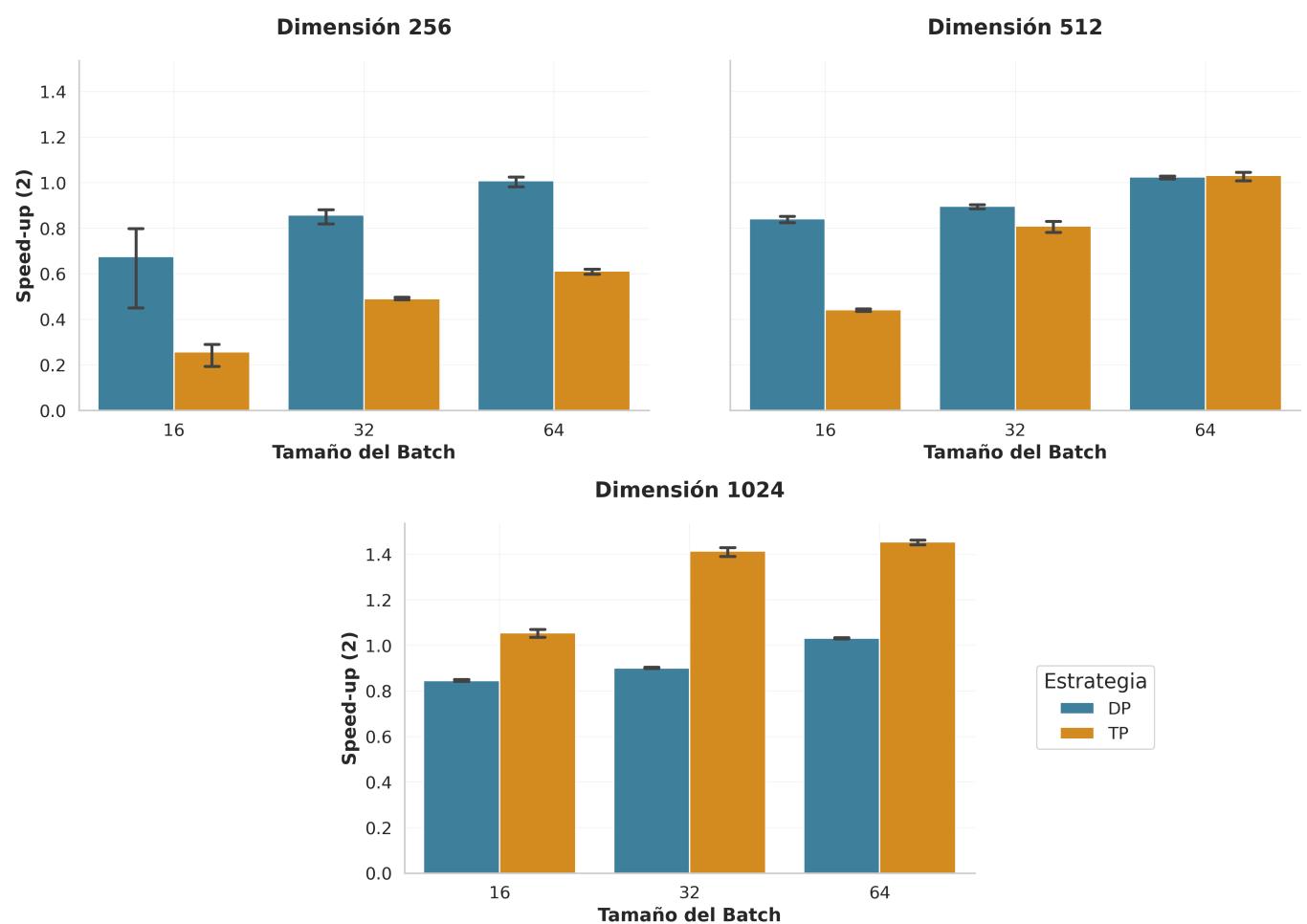


Figura S40. Speed-up

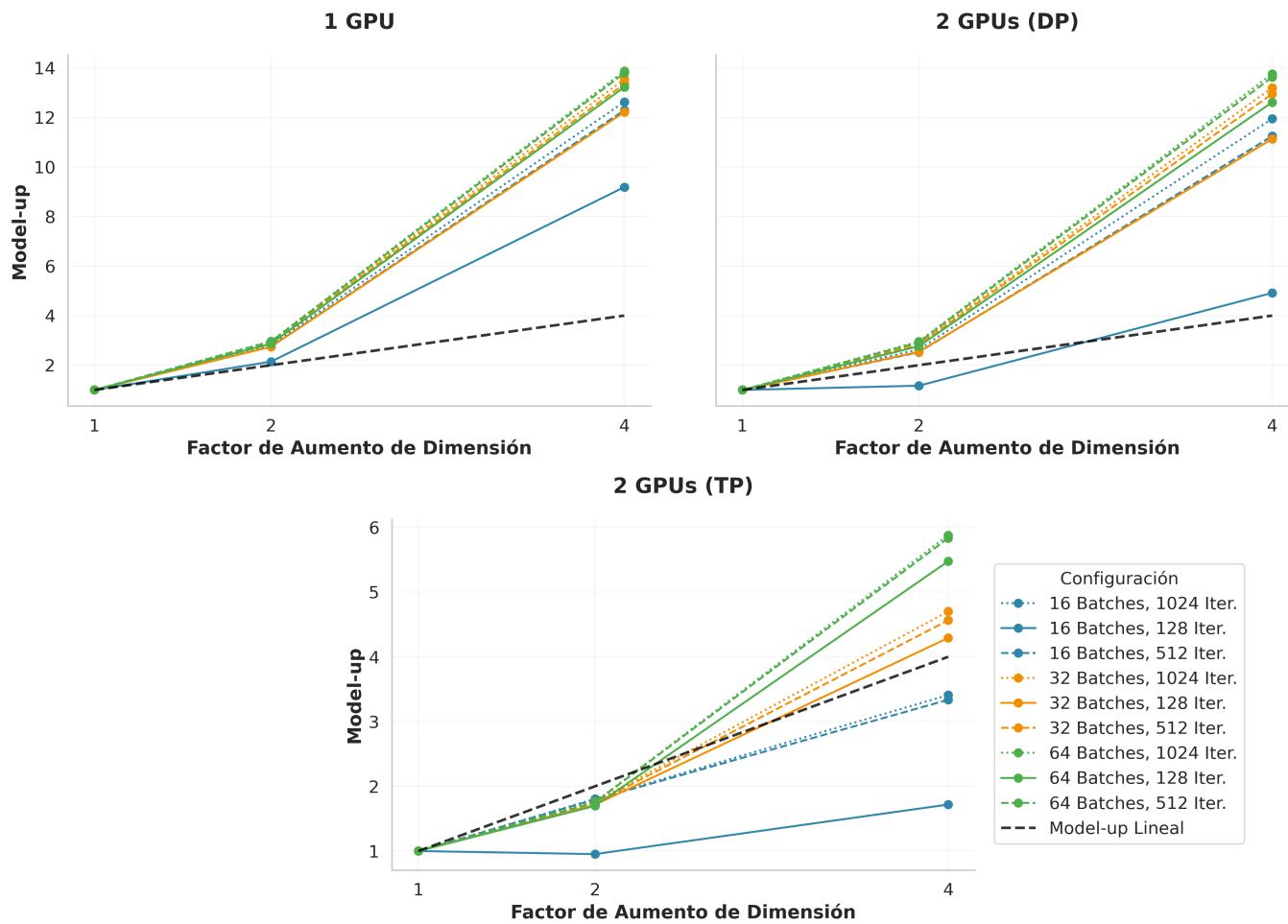


Figura S41. Model-up

C. Wiki40B

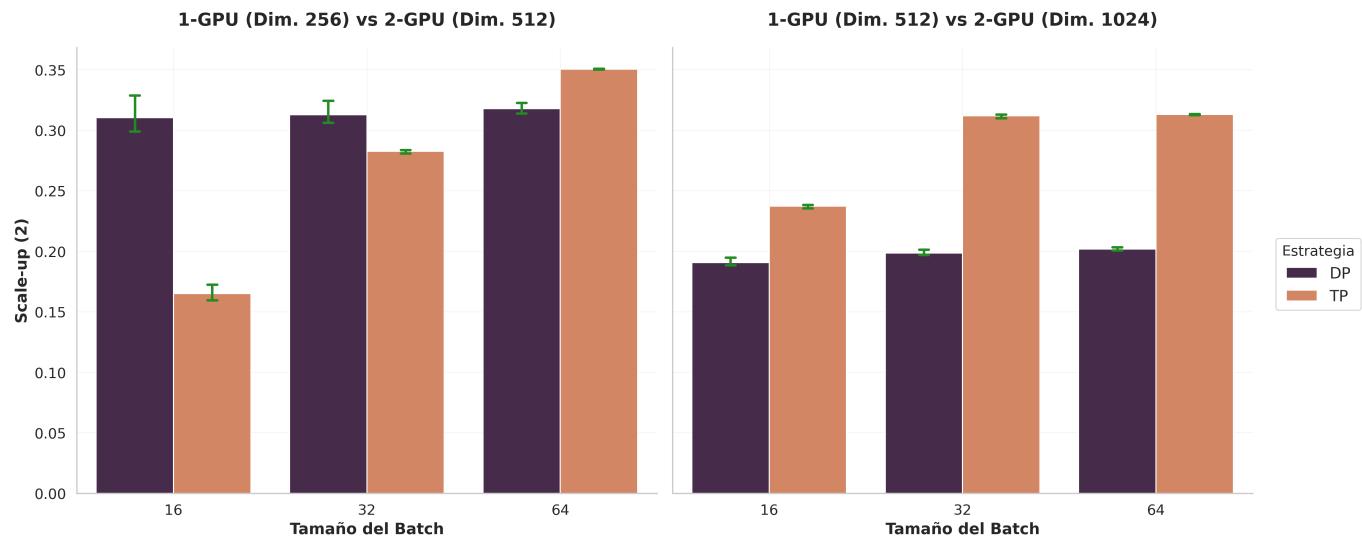


Figura S42. Scale-up

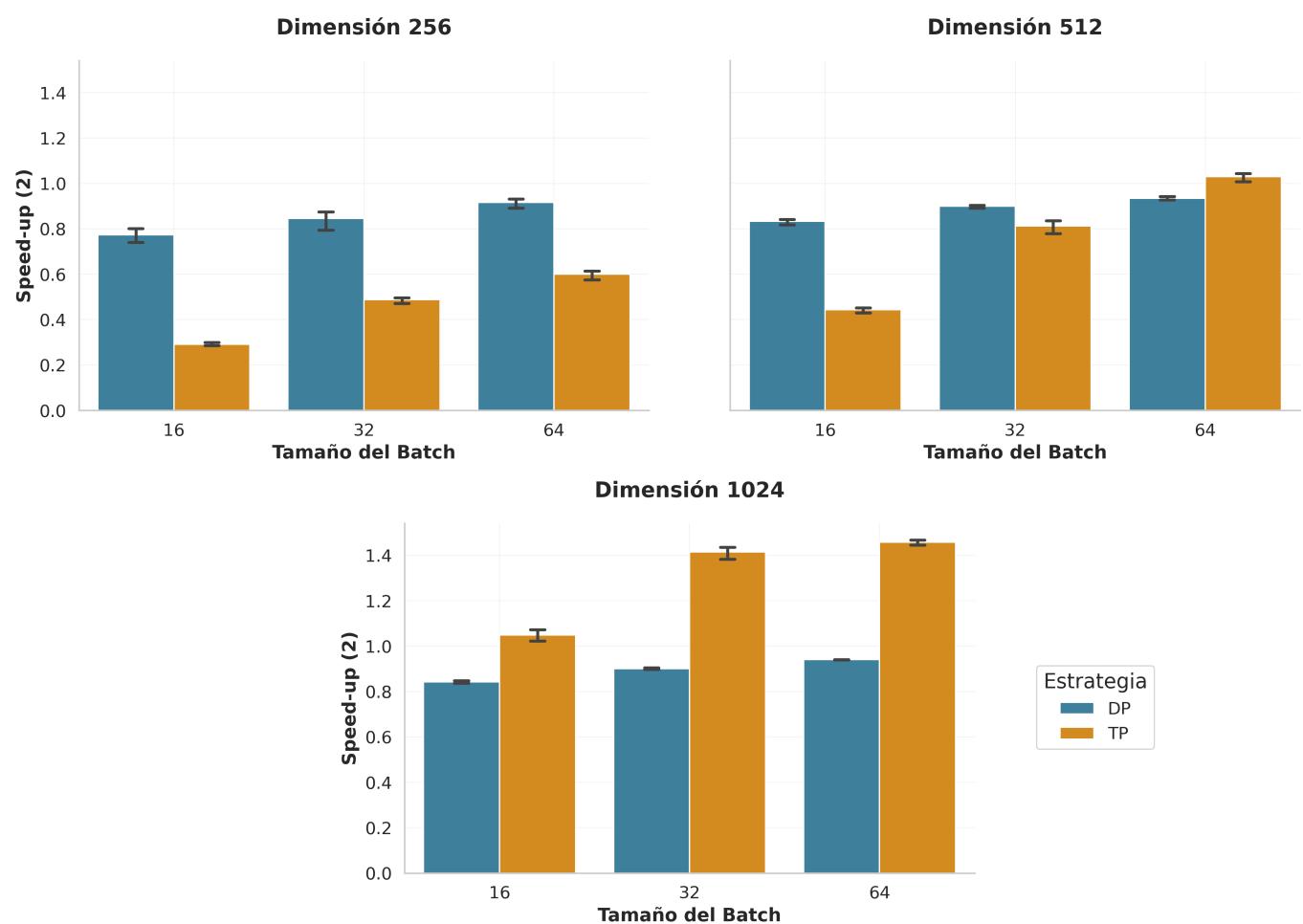


Figura S43. Speed-up

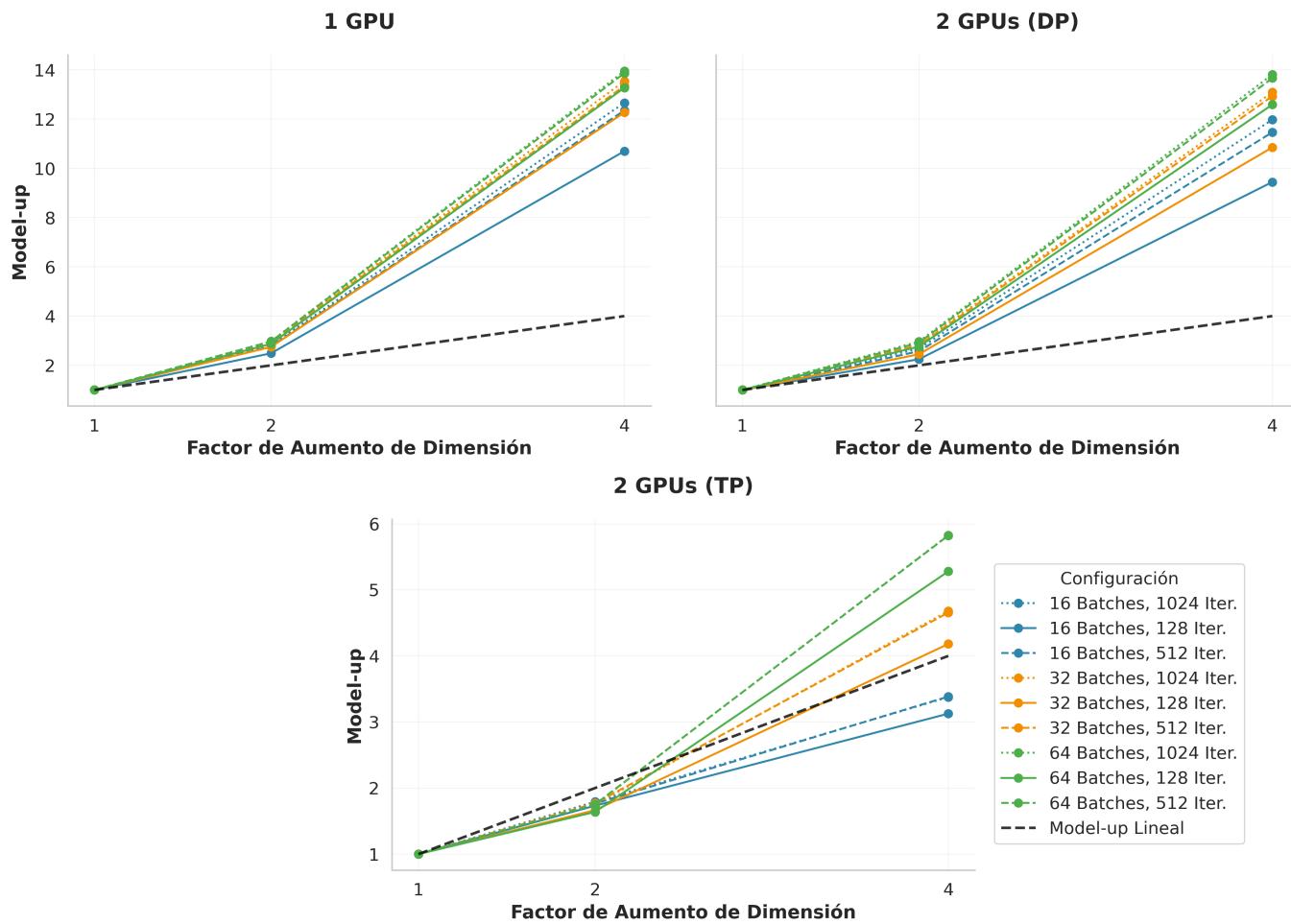


Figura S44. *Model-up*

D. TinyStories

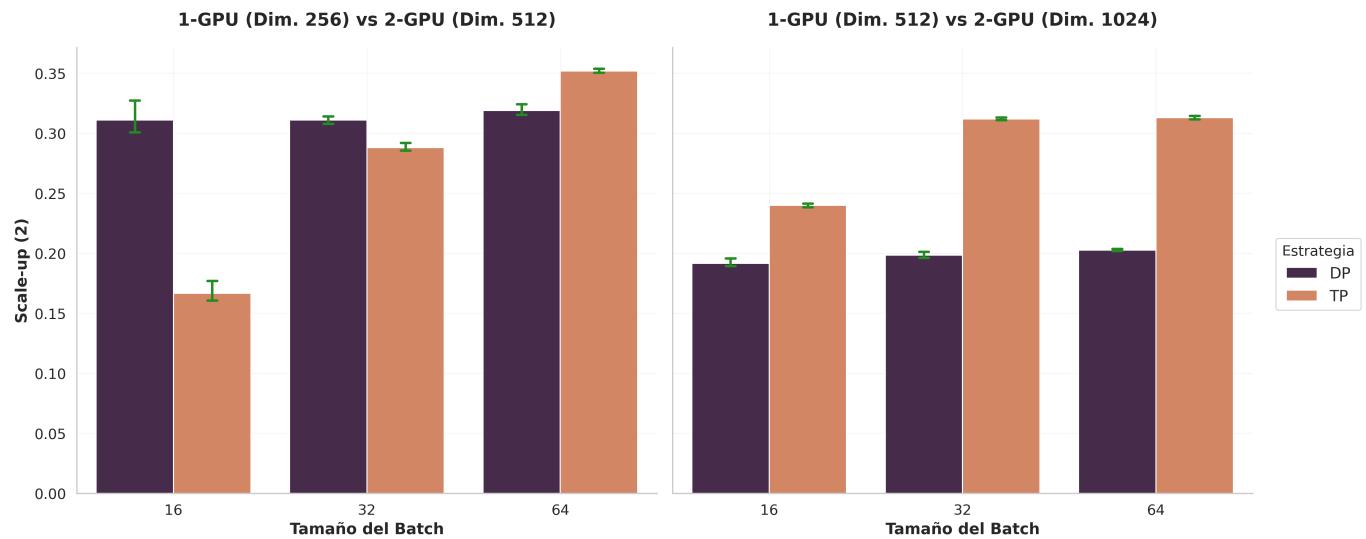


Figura S45. Scale-up

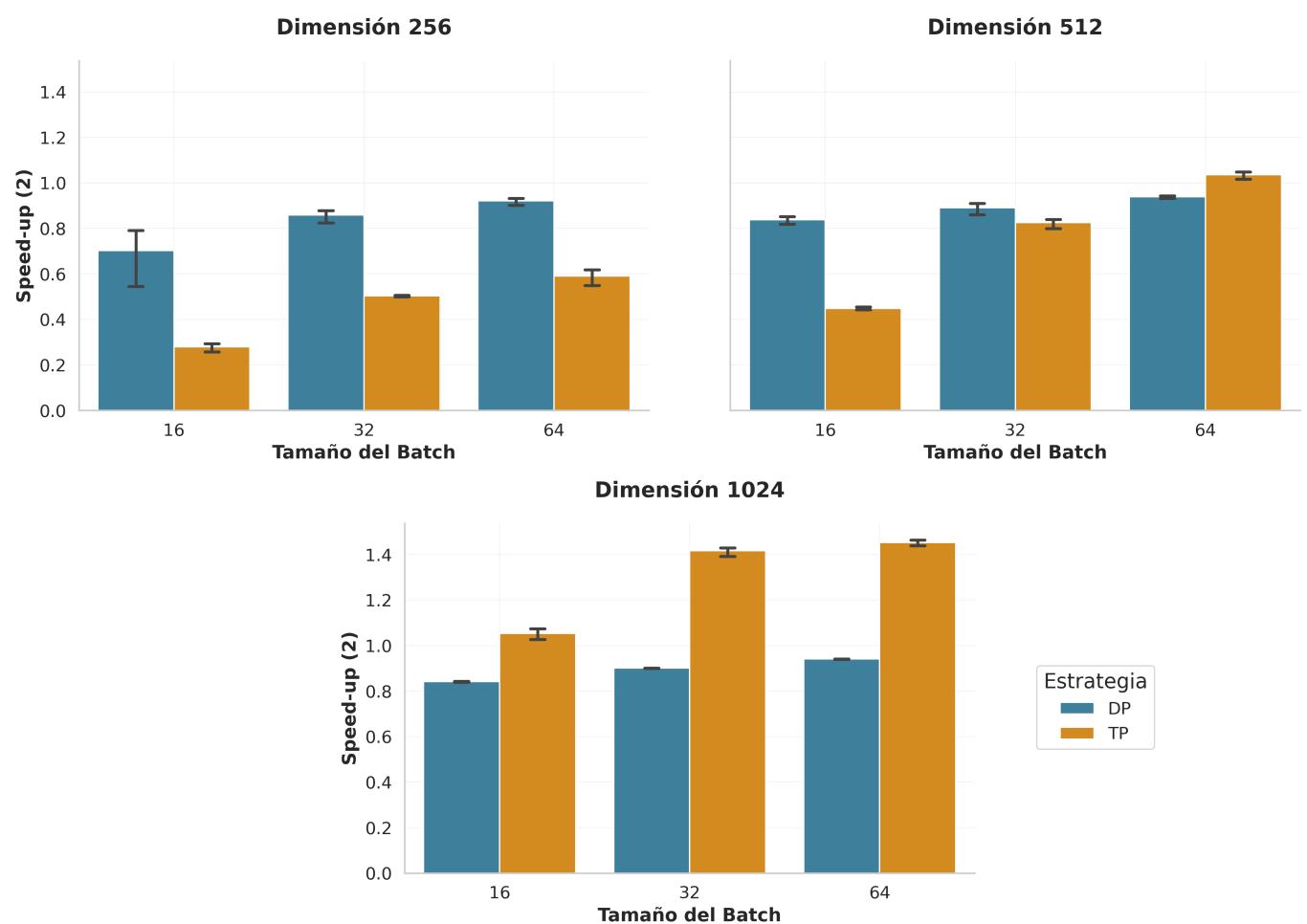


Figura S46. Speed-up

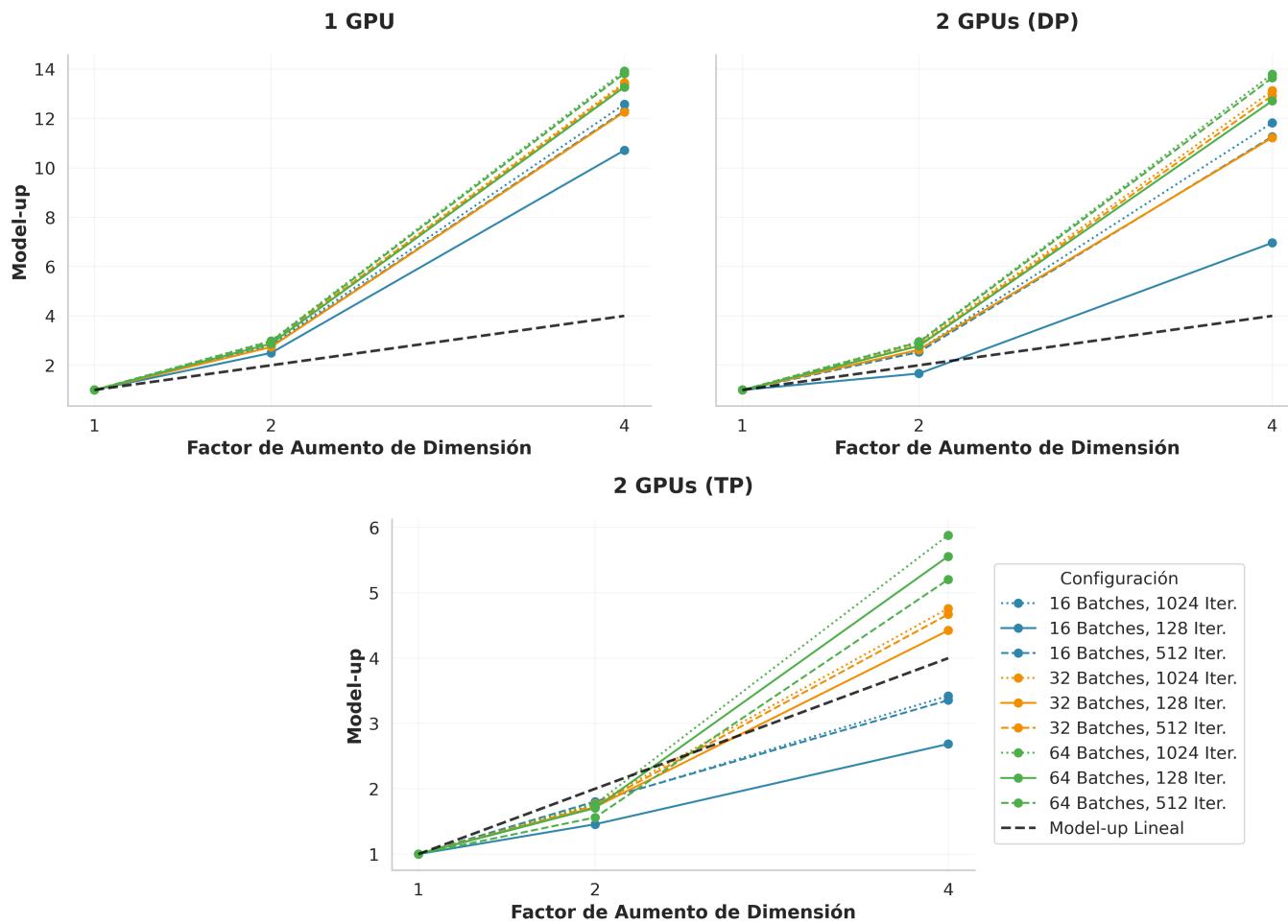


Figura S47. Model-up

E. Multi-News

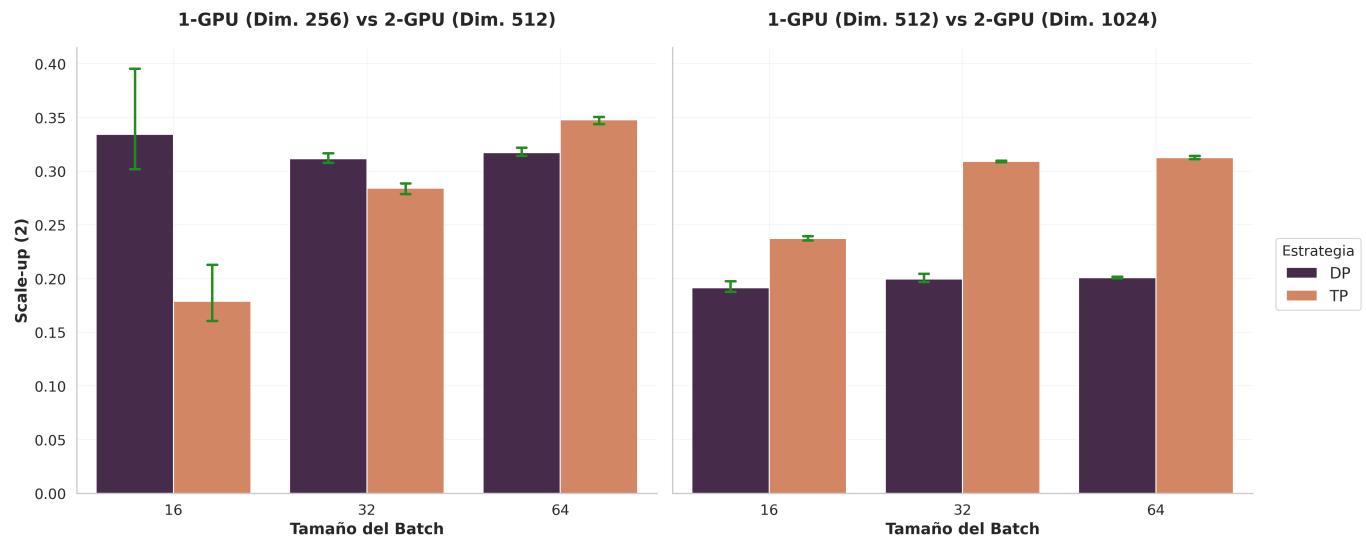


Figura S48. Scale-up

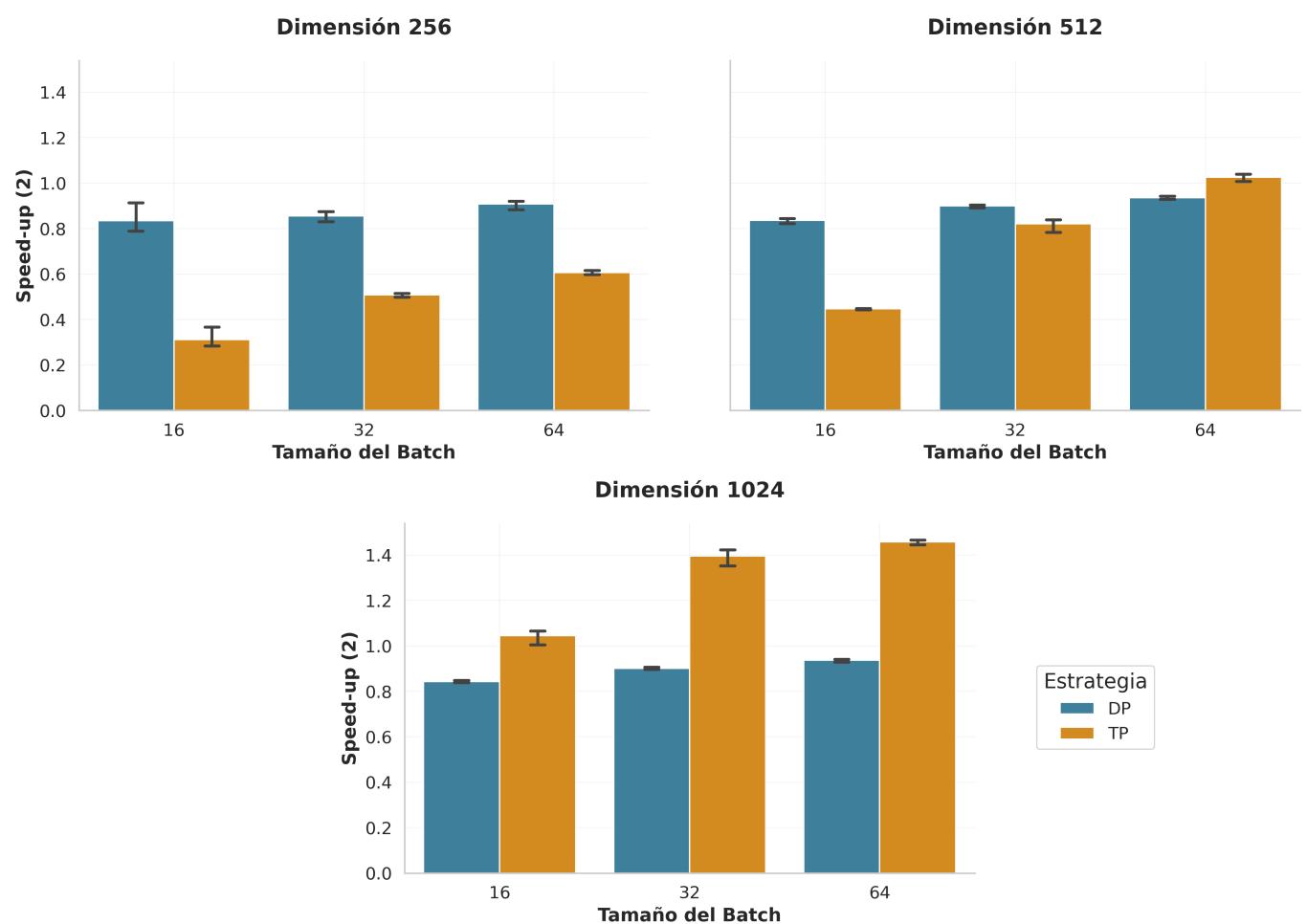


Figura S49. Speed-up

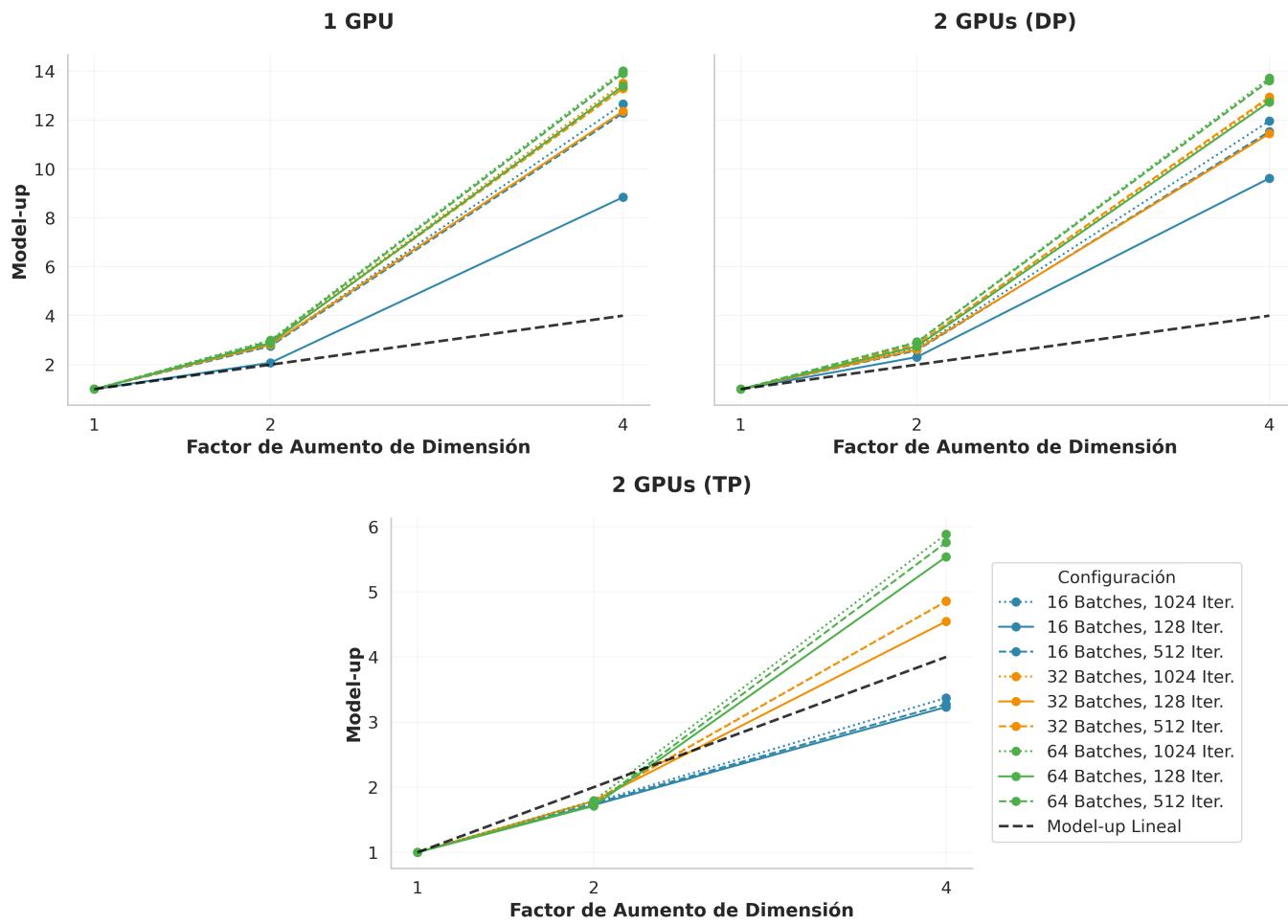


Figura S50. *Model-up*