**Clase 1:**

* Quadratic Weighted Kappa (QWK):
  + <https://datatab.net/tutorial/weighted-cohens-kappa>
  + <https://www.kaggle.com/code/carlolepelaars/understanding-the-metric-quadratic-weighted-kappa>
  + <https://medium.com/x8-the-ai-community/kappa-coefficient-for-dummies-84d98b6f13ee>
* Embeddings
  + Video dotcsv: <https://www.youtube.com/watch?v=RkYuH_K7Fx4>
  + Ejemplo visual: <https://projector.tensorflow.org/>
* Polars (versión mejorada de pandas):
  + Sitio: <https://pola.rs/>
  + Tutorial: <https://r-brink.medium.com/introduction-to-polars-ee9e638dc163>
* Pytorch para usar metal (simil gpu) en mac (M1 en adelante):
  + <https://developer.apple.com/metal/pytorch/>
* Cursor IA:
  + Sitio: <https://www.cursor.com/>
  + Tutorial: <https://drive.google.com/file/d/1YjGDEGLikND6KFufduGCZf5kW5RAVLFu/view?usp=sharing>
  + Tutorial setting de proyecto: <https://www.youtube.com/watch?v=2PjmPU07KNs>   
    (min 0 - 16:40)
  + Cursor Rules: <https://cursor.directory/rules>
  + Caso de uso: <https://sakkyb.medium.com/how-i-built-a-saas-product-with-100-ai-generated-code-5728e0c97c8d>
* Vertex: <https://cloud.google.com/vertex-ai?utm_source=google&utm_medium=cpc&utm_campaign=latam-AR-all-es-dr-SKWS-all-all-trial-b-dr-1710136-LUAC0020058&utm_content=text-ad-none-any-DEV_c-CRE_649255894217-ADGP_Hybrid+%7C+SKWS+-+BRO+%7C+Txt_AI+and+ML-Vertex+AI-KWID_43700075322947596-kwd-1339436136145&utm_term=KW_vertex+ai-ST_Vertex+AI&gclsrc=aw.ds&gad_source=1&gclid=Cj0KCQjw-e6-BhDmARIsAOxxlxWQxdfFEeKLE2GvUyiAMYlnbBJHb4DD909o7tYIrJh2Z2XVDlb_9dEaAvNTEALw_wcB>

**Clase 2:**

* Correlación Phi-K:
  + Documentación: <https://phik.readthedocs.io/en/latest/>
  + Artículo: Comparación de Correlaciones <https://medium.com/@vatvenger/choosing-the-appropriate-correlation-coefficient-a167a65203ff>
* El Problema de la Cardinalidad Alta de variables categóricas:
  + Artículo 1:  
    <https://towardsdatascience.com/dealing-with-features-that-have-high-cardinality-1c9212d7ff1b>
  + Artículo 2: <https://medium.com/@niranjan.appaji/a-guide-to-handling-high-cardinality-in-categorical-variables-7b4101d3af68#:~:text=Strategies%20for%20handling%20high%20cardinality,format%20for%20machine%20learning%20algorithms>.
* Visualización:
  + Seaborn Templates: <https://seaborn.pydata.org/examples/index.html>
  + Plotly Docs: <https://plotly.com/python/>

**Clase 3:**

* Feature Selection:
  + MRMR: <https://github.com/smazzanti/mrmr>
  + BorutaShap: <https://github.com/Ekeany/Boruta-Shap>
  + Featurewiz: <https://github.com/AutoViML/featurewiz>
  + Featurewiz-Polars: <https://github.com/AutoViML/featurewiz_polars>
* Bayesian Optimization:
  + Optuna: <https://optuna.org/>
  + optuna-dashboard: <https://github.com/optuna/optuna-dashboard>