ML for Melanoma and Renal Cancer - Description of Data

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Variables

Patient-Level Variables

- Code: Unique Patient ID Number
- Sex: Sex of the Patient
- Metastasis: Binary indicator of metastasis
- Images: Binary indicator for patients with any images
- ANX_Image: Binary indicator if patient has ANX specific image
- BCL2_Image: Binary indicator if patient has BCL2 specific image
- BCL3_Image: Binary indicator if patient has BCL3 specific image
- HX_Image: Binary indicator if patient has HX specific image
- MITF_Image: Binary indicator if patient has MITF specific image
- PBP_Image: Binary indicator if patient has PBP specific image
- BRAF_Image: Binary indicator if patient has BRAF specific image
- PIR_Image: Binary indicator if patient has PIR specific image
- Metastasis_Date: Date metastasis was confirmed
- Metastasis_Loc: Location of metastasis

Histopathology

- Hist_AJCC: AJCC staging (initial)
- Hist_AJCC_Final: AJCC staging (final)
- Hist_Breslow_mm: Breslow depth in millimeters

• Hist_Ulceration: Presence of ulceration

• **Hist_Mitosis**: Mitosis count per mm²

Cytokine & Marker Expression

• GM.CSF: Granulocyte-macrophage colony-stimulating factor

• IL.4: Interleukin-4 level

• IL.6: Interleukin-6 level

• IL.10: Interleukin-10 level

• IL.17A: Interleukin-17A level

• IFN.y: Interferon gamma level

• TGF.b: Transforming growth factor beta level

• Dermcidina: Dermcidin expression level

Immunohistochemistry & Gene Expression

• IHC.BRAF: Immunohistochemical result for BRAF

• PIRIN: PIRIN expression level

• BCL2: BCL2 expression level

• Linfos_BCL2.: BCL2 expression in lymphocytes

• BCL3: BCL3 expression level

• Linfos_BCL3.: BCL3 expression in lymphocytes

• PEBP1: PEBP1 expression level

• MITF: MITF expression level

• ANX5: ANX5 expression level

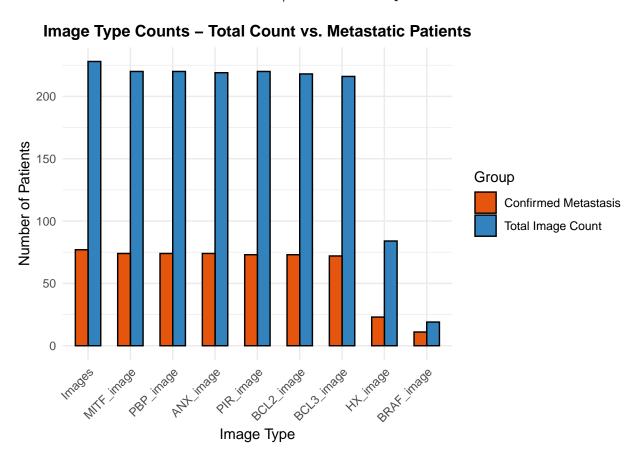
Tumor Microenvironment

• infiltrado.linfoide: Degree of lymphoid infiltration

• infiltrado.macrofagos: Degree of macrophage infiltration

Image Counts and Information

The bar chart below shows and compares the counts of all image types in the data for metastatic/non-metastatic patients



The pie charts below comapre the proportion of patients who have at least one image between metastitic patients and all patients

