$$a := \text{``..\textbackslash..\textbackslash Sci\_Space\textbackslash Weather\textbackslash maxTbo.csv''} \quad e := \text{``..\textbackslash..\textbackslash Sci\_Space\textbackslash Weather\textbackslash minTbo.csv''}$$

$$b := \text{READCSV}(a) \qquad\qquad f := \text{READCSV}(e)$$

$$c := \left\|\begin{array}{l} \text{for } i \in 1 .. \text{rows}(b) - 1 \\ \quad \left\|\begin{array}{l} \text{for } j \in 0 .. 3 \\ \quad \left\| c_{i-1,j} \leftarrow b_{i,j} \right. \end{array}\right. \\ \text{return } c \end{array}\right. \qquad g := \left\|\begin{array}{l} \text{for } i \in 1 .. \text{rows}(f) - 1 \\ \quad \left\|\begin{array}{l} \text{for } j \in 0 .. 3 \\ \quad \left\| g_{i-1,j} \leftarrow f_{i,j} \right. \end{array}\right. \\ \text{return } g \end{array}\right.$$

$$z := \text{match}\left(\text{``''}, c^{\langle 3 \rangle}\right) \qquad w := \text{match}\left(\text{``''}, g^{\langle 3 \rangle}\right)$$

$$\begin{array}{ll} \text{rows}(z) = 1141 & \text{rows}(w) = 2138 \\ \text{rows}(c) = 53753 & \text{rows}(g) = 53648 \end{array}$$

$$nanmean(y, z) := \left\|\begin{array}{l} count \leftarrow 0 \\ sum \leftarrow 0 \\ \text{for } i \in 0 .. z_0 - 1 \\ \quad \left\|\begin{array}{l} count \leftarrow count + 1 \\ sum \leftarrow sum + y_i \end{array}\right. \\ \text{for } i \in 1 .. \text{rows}(z) - 1 \\ \quad \left\|\begin{array}{l} \text{if } z_i - z_{i-1} > 1 \\ \quad \left\|\begin{array}{l} \text{for } j \in \left(z_{i-1} + 1\right) .. \left(z_i - 1\right) \\ \quad \left\|\begin{array}{l} count \leftarrow count + 1 \\ sum \leftarrow sum + y_j \end{array}\right. \end{array}\right. \end{array}\right. \\ \text{for } i \in \left(z_{\text{last}(z)} + 1\right) .. \text{rows}(y) - 1 \\ \quad \left\|\begin{array}{l} count \leftarrow count + 1 \\ sum \leftarrow sum + y_i \end{array}\right. \\ \text{return } \dfrac{sum}{count} \end{array}\right.$$

$$nanmean\left(c^{\langle 3 \rangle}, z\right) = 27.627832 \qquad\qquad nanmean\left(g^{\langle 3 \rangle}, w\right) = 12.946003$$

$$pack(y, z) := \left\|\begin{array}{l} count \leftarrow 0 \\ sum \leftarrow 0 \end{array}\right.$$

$$\left\|\begin{array}{l} \text{for } i \in 0 \mathrel{..} z_0 - 1 \\ \quad \left\|\begin{array}{l} \text{for } j \in 0 \mathrel{..} 3 \\ \quad \left\| \, out_{count,\,j} \leftarrow y_{i,\,j} \right. \\ count \leftarrow count + 1 \end{array}\right. \\ \text{for } i \in 1 \mathrel{..} \mathrm{rows}(z) - 1 \\ \quad \left\|\begin{array}{l} \text{if } z_i - z_{i-1} > 1 \\ \quad \left\|\begin{array}{l} \text{for } j \in \left(z_{i-1} + 1\right) \mathrel{..} \left(z_i - 1\right) \\ \quad \left\|\begin{array}{l} \text{for } k \in 0 \mathrel{..} 3 \\ \quad \left\| \, out_{count,\,k} \leftarrow y_{j,\,k} \right. \\ count \leftarrow count + 1 \end{array}\right. \end{array}\right. \end{array}\right. \\ \text{for } i \in \left(z_{\mathrm{last}(z)} + 1\right) \mathrel{..} \mathrm{rows}(y) - 1 \\ \quad \left\|\begin{array}{l} \text{for } j \in 0 \mathrel{..} 3 \\ \quad \left\| \, out_{count,\,j} \leftarrow y_{i,\,j} \right. \\ count \leftarrow count + 1 \end{array}\right. \\ \text{return } out \end{array}\right.$$

$$NoNanMax := pack\,(c, z) \qquad\qquad NoNanMin := pack\,(g, w)$$

$$Max := \mathrm{histogram}\left(40, NoNanMax^{\langle 3 \rangle}\right) \qquad\qquad Min := \mathrm{histogram}\left(40, NoNanMin^{\langle 3 \rangle}\right)$$

$Max^{\langle 1 \rangle}$

$Min^{\langle 1 \rangle}$

$Max^{\langle 0 \rangle}$

$Min^{\langle 0 \rangle}$