Panda Pocka Card Template

Data Frame Attributes

df. <u>T</u>	Transpose index and columns.
df. <u>at</u>	Access a single value for a row/column label pair.
df. <u>axes</u>	Return a list representing the axes of the DataFrame.
df. <u>columns</u>	The column labels of the DataFrame.

df. <u>dtypes</u>	Return the dtypes in the DataFrame.
df. <u>empty</u>	Indicator whether DataFrame is empty.
df. <u>ftypes</u>	Return the ftypes (indication of sparse/dense and dtype) in DataFrame.
df. <u>iat</u>	Access a single value for a row/column pair by integer position.

df. <u>iloc</u>	Purely integer-location based indexing for selection by position.
df. <u>index</u>	The index (row labels) of the DataFrame.
df. <u>ix</u>	A primarily label-location based indexer, with integer position fallback.
df. <u>loc</u>	Access a group of rows and columns by label(s) or a boolean array.

df. <u>ndim</u>	Return an int representing the number of axes / array dimensions.
df. <u>shape</u>	Return a tuple representing the dimensionality of the DataFrame.
df. <u>size</u>	Return an int representing the number of elements in this object.
df. <u>style</u>	Property returning a Styler object containing methods for building a styled HTML representation fo the DataFrame.

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df. <u>abs</u> ()	Return a Series/DataFrame with absolute numeric value of each element.
df. <u>add</u> (other)	Addition of dataframe and other, element-wise (binary operator add).
df. <u>add_prefix(</u>)	Prefix labels with string prefix.
df. <u>add_suffix(</u>)	Suffix labels with string suffix.

df.agg()	Aggregate using one or more operations over the specified axis.
df.aggregate()	Aggregate using one or more operations over the specified axis.
df.align()	Align two objects on their axes with the specified join method for each axis Index
df. <u>all(</u>)	Return whether all elements are True, potentially over an axis.

df.any()	Return whether any element is True over requested axis.
df. <u>append(</u>)	Append rows of other to the end of this frame, returning a new object.
df. <u>apply</u> ()	Apply a function along an axis of the DataFrame.
df. <u>applymap(</u>)	Apply a function to a Dataframe elementwise.

df. <u>asfreq</u> (freq)	Convert TimeSeries to specified frequency.
df. <u>asof(</u>)	The last row without any NaN is taken (or the last row without NaN considering only the subset of columns in the case of a DataFrame)
df. <u>assign</u> (**kwargs)	Assign new columns to a DataFrame, returning a new object (a copy) with the new columns added to the original ones.
df. <u>astype(</u>)	Cast a pandas object to a specified dtype dtype.

df. <u>at_time</u> (time)	Select values at particular time of day (e.g.
df. <u>between time</u> ()	Select values between particular times of the day (e.g., 9:00-9:30 AM).
df. <u>bfill</u> ()	Synonym for DataFrame.fillna
df. <u>bool(</u>)	Return the bool of a single element PandasObject.

df. <u>boxplot(</u>)	Make a box plot from DataFrame columns.
df. <u>clip</u> ()	Trim values at input threshold(s).
df. <u>clip_lower(</u>)	Return copy of the input with values below a threshold truncated.
df. <u>clip_upper(</u>)	Return copy of input with values above given value(s) truncated.

df. <u>combine</u> (other)	Add two DataFrame objects and do not propagate NaN values, so if for a (column, time) one frame is missing a value, it will default to the other frame's value (which might be NaN as well)
df. <u>combine first</u> ()	Combine two DataFrame objects and default to non-null values in frame calling the method.
df. <u>compound</u> ()	Return the compound percentage of the values for the requested axis
df. <u>copy</u> ([deep])	Make a copy of this object's indices and data.

df. <u>corr</u> ([method, min_periods])	Compute pairwise correlation of columns, excluding NA/null values
df. <u>corrwith</u> ()	Compute pairwise correlation between rows or columns of two DataFrame objects.
df. <u>count(</u>)	Count non-NA cells for each column or row.
df. <u>cov</u> ([min_periods])	Compute pairwise covariance of columns, excluding NA/null values.

df. <u>cummax</u> ()	Return cumulative maximum over a DataFrame or Series axis.
df. <u>cummin(</u>)	Return cumulative minimum over a DataFrame or Series axis.
df. <u>cumprod</u> ()	Return cumulative product over a DataFrame or Series axis.
df. <u>cumsum</u> ()	Return cumulative sum over a DataFrame or Series axis.

df. <u>describe(</u>)	Generates descriptive statistics that summarize the central tendency, dispersion and shape of a dataset's distribution, excluding NaN values.
df. <u>diff(</u> [periods, axis])	First discrete difference of element.
df. <u>div</u> (other)	Floating division of dataframe and other, element-wise (binary operator truediv).
df. <u>divide</u> ()	Floating division of dataframe and other, element-wise (binary operator truediv).

df. <u>dot</u> (other)	Matrix multiplication with DataFrame or Series objects.
df. <u>drop</u> ()	Drop specified labels from rows or columns.
df. <u>drop_duplicates(</u>)	Return DataFrame with duplicate rows removed, optionally only considering certain columns
df. <u>dropna(</u>)	Remove missing values.

df. <u>duplicated(</u>)	Return boolean Series denoting duplicate rows, optionally only considering certain columns
df. <u>eq</u> (other[, axis, level])	Wrapper for flexible comparison methods eq
df. <u>equals</u> (other)	Determines if two NDFrame objects contain the same elements.
df. <u>eval</u> (expr[, inplace])	Evaluate a string describing operations on DataFrame columns.

df. <u>ewm</u> ()	Provides exponential weighted functions
df.expanding()	Provides expanding transformations.
df.ffill()	Synonym for DataFrame.fillna(method='ffil l')
df. <u>fillna(</u>)	Fill NA/NaN values using the specified method

df. <u>filter(</u>)	Subset rows or columns of dataframe according to labels in the specified index.
df. <u>first</u> (offset)	Convenience method for subsetting initial periods of time series data based on a date offset.
df. <u>first_valid_index(</u>)	Return index for first non- NA/null value.
df. <u>floordiv</u> (other)	Integer division of dataframe and other, element-wise (binary operator floordiv).

df. <u>from_dict</u> (data)	Construct DataFrame from dict of array-like or dicts.
df. <u>from records</u> (data)	Convert structured or record ndarray to DataFrame
df.ge()	Wrapper for flexible comparison methods ge
df.get(key[, default])	Get item from object for given key (DataFrame column, Panel slice, etc.).

df.get dtype counts()	Return counts of unique dtypes in this object.
df.get values()	Return an ndarray after converting sparse values to dense.
df.groupby()	Group series using mapper (dict or key function, apply given function to group, return result as series) or by a series of columns.
df.gt()	Wrapper for flexible comparison methods gt

df. <u>head</u> ([n])	Return the first n rows.
df. <u>hist(</u>)	Make a histogram of the DataFrame's.
df. <u>idxmax(</u>)	Return index of first occurrence of maximum over requested axis.
df. <u>idxmin</u> ([axis, skipna])	Return index of first occurrence of minimum over requested axis.

df. <u>infer_objects(</u>)	Attempt to infer better dtypes for object columns.
df. <u>info</u> ([verbose,])	Print a concise summary of a DataFrame.
df. <u>insert(</u>)	Insert column into DataFrame at specified location.
df. <u>interpolate(</u>)	Interpolate values according to different methods.

df. <u>isin</u> (values)	Return boolean DataFrame showing whether each element in the DataFrame is contained in values.
df. <u>isna</u> ()	Detect missing values.
df. <u>isnull(</u>)	Detect missing values.
df. <u>items</u> ()	Iterator over (column name, Series) pairs.

df. <u>iteritems</u> ()	Iterator over (column name, Series) pairs.
df. <u>iterrows</u> ()	Iterate over DataFrame rows as (index, Series) pairs.
df. <u>itertuples</u> ([index, name])	Iterate over DataFrame rows as namedtuples, with index value as first element of the tuple.
df. <u>join</u> (other)	Join columns with other DataFrame either on index or on a key column.

df. <u>keys(</u>)	Get the 'info axis' (see Indexing for more)
df. <u>kurt</u> ([axis,)	Return unbiased kurtosis over requested axis using Fisher's definition of kurtosis (kurtosis of normal == 0.0).
df. <u>kurtosis</u> ([axis, skipna)	Return unbiased kurtosis over requested axis using Fisher's definition of kurtosis (kurtosis of normal == 0.0).
df. <u>last</u> (offset)	Convenience method for subsetting final periods of time series data based on a date offset.

df. <u>last valid index(</u>)	Return index for last non- NA/null value.
df. <u>le</u> (other)	Wrapper for flexible comparison methods le
df. <u>lookup</u> (row_labels, col_labels)	Label-based "fancy indexing" function for DataFrame.
df. <u>lt</u> ()	Wrapper for flexible comparison methods lt

df. <mark>mad</mark> ()	Return the mean absolute deviation of the values for the requested axis
df.mask()	Return an object of same shape as self and whose corresponding entries are from self where cond is False and otherwise are from other.
df. <u>max</u> ([axis, skipna,])	This method returns the maximum of the values in the object.
df. <u>mean(</u>)	Return the mean of the values for the requested axis

df. <u>median</u> ()	Return the median of the values for the requested axis
df. <u>melt(</u>)	"Unpivots" a DataFrame from wide format to long format, optionally leaving identifier variables set.
df. <u>memory usage</u> ()	Return the memory usage of each column in bytes.
df. <u>merge</u> (right)	Merge DataFrame objects by performing a database-style join operation by columns or indexes.

df. <u>min</u> ()	This method returns the minimum of the values in the object.
df. <u>mod(</u>)	Modulo of dataframe and other, element-wise (binary operator mod).
df. <u>mode</u> ()	Gets the mode(s) of each element along the axis selected.
df.mul()	Multiplication of dataframe and other, element-wise (binary operator mul).

df. <u>multiply</u> (other)	Multiplication of dataframe and other, element-wise (binary operator mul).
df. <u>ne</u> ()	Wrapper for flexible comparison methods ne
df. <u>nlargest(</u>)	Return the first n rows ordered by columns in descending order.
df. <u>notna</u> ()	Detect existing (non-missing) values.

df. <u>notnull(</u>)	Detect existing (non-missing) values.
df. <u>nsmallest</u> (n, columns)	Get the rows of a DataFrame sorted by the n smallest values of columns.
df. <u>nunique</u> ([axis, dropna])	Return Series with number of distinct observations over requested axis.
df. <u>pct_change(</u>)	Percentage change between the current and a prior element.

df. <mark>pipe</mark> (func, *args, **kwargs)	Apply func(self, *args, **kwargs)
df. <mark>pivot</mark> ([index, columns,)	Return reshaped DataFrame organized by given index / column values.
df. <u>pivot_table(</u>)	Create a spreadsheet-style pivot table as a DataFrame.
df. <u>plot</u>	alias of pandas.plottingcore.FrameP lotMethods

df. <mark>pop</mark> (item)	Return item and drop from frame.
df. <u>pow</u> ()	Exponential power of dataframe and other, element-wise (binary operator pow).
df <mark>prod</mark> ([axis, skipna, level,)	Return the product of the values for the requested axis

df. <u>product</u> ([axis, skipna,)	Return the product of the values for the requested axis
df. <u>quantile</u> ([q, axis,)	Return values at the given quantile over requested axis, a la numpy.percentile.
df.query(expr[, inplace])	Query the columns of a frame with a boolean expression.
df. <u>radd</u> (other[, axis, level,)	Addition of dataframe and other, element-wise (binary operator radd).

df. <u>rank</u> ([axis, method,)	Compute numerical data ranks (1 through n) along axis.
df. <u>rdiv</u> (other[, axis, level,)	Floating division of dataframe and other, element-wise (binary operator rtruediv).
df. <u>reindex(</u> [labels, index,])	Conform DataFrame to new index with optional filling logic, placing NA/NaN in locations having no value in the previous index.
df. <u>reindex axis</u> (labels)	Conform input object to new index with optional filling logic, placing NA/NaN in locations having no value in the previous index.

df. <u>reindex like</u> (other)	Return an object with matching indices to myself.
df. <u>rename</u> ([mapper, index,])	Alter axes labels.
df. <u>rename axis</u> (mapper)	Alter the name of the index or columns.
df. <u>reorder_levels(</u> order)	Rearrange index levels using input order.

df. <u>replace</u> ()	Replace values given in to_replace with value.
df. <u>resample(</u>)	Convenience method for frequency conversion and resampling of time series.
df.reset_index()	For DataFrame with multi- level index, return new DataFrame with labeling information in the columns under the index names, defaulting to 'level_0', 'level_1', etc.
df. <u>rfloordiv(</u>)	Integer division of dataframe and other, element-wise (binary operator rfloordiv).

df. <u>rmod</u> ()	Modulo of dataframe and other, element-wise (binary operator rmod).
df. <u>rmul(</u>)	Multiplication of dataframe and other, element-wise (binary operator rmul).
df. <u>rolling</u> (window)	Provides rolling window calculations.
df. <u>round(</u> [decimals])	Round a DataFrame to a variable number of decimal places.

df. <u>rpow</u> ()	Exponential power of dataframe and other, element-wise (binary operator rpow).
df. <u>rsub</u> ()	Subtraction of dataframe and other, element-wise (binary operator rsub).
df. <u>rtruediv</u> (other[, axis,])	Floating division of dataframe and other, element-wise (binary operator rtruediv).
df. <u>sample(</u>)	Return a random sample of items from an axis of object.

df. <u>select_dtypes(</u>)	Return a subset of the DataFrame's columns based on the column dtypes.
df. <u>sem</u> ()	Return unbiased standard error of the mean over requested axis.
df. <u>set_axis</u> ()	Assign desired index to given axis.
df. <u>set_index(</u>)	Set the DataFrame index (row labels) using one or more existing columns.

df. <u>shift</u> ()	Shift index by desired number of periods with an optional time freq
df. <u>skew</u> ()	Return unbiased skew over requested axis Normalized by N-1
df. <u>slice_shift(</u>)	Equivalent to shift without copying data.
df. <u>sort_index(</u>)	Sort object by labels (along an axis)

df. <u>sort_values(</u> by[,])	Sort by the values along either axis
df. <u>squeeze</u> ([axis])	Squeeze length 1 dimensions.
df. <u>stack</u> ([level, dropna])	Stack the prescribed level(s) from columns to index.
df.std()	Return sample standard deviation over requested axis.

df. <u>sub</u> ()	Subtraction of dataframe and other, element-wise (binary operator sub).
df. <u>subtract</u> ()	Subtraction of dataframe and other, element-wise (binary operator sub).
df. <u>sum</u> ([axis, skipna,])	Return the sum of the values for the requested axis
df. <u>swapaxes(</u>)	Interchange axes and swap values axes appropriately

df. <u>swaplevel(</u>)	Swap levels i and j in a MultiIndex on a particular axis
df. <u>tail</u> ([n])	Return the last n rows.
df. <u>take</u> ()	Return the elements in the given <i>positional</i> indices along an axis.
df. <u>to clipboard</u> ()	Copy object to the system clipboard.

df. <u>to csv</u> ()	Write DataFrame to a comma- separated values (csv) file
df. <u>to dense(</u>)	Return dense representation of NDFrame (as opposed to sparse)
df.to_dict()	Convert the DataFrame to a dictionary.
df. <u>to_excel(</u>)	Write DataFrame to an excel sheet

df. <u>to_feather</u> (fname)	write out the binary feather- format for DataFrames
df. <u>to gbq</u> ()	Write a DataFrame to a Google BigQuery table.
df. <u>to_hdf(</u>)	Write the contained data to an HDF5 file using HDFStore.
df. <u>to html</u> ()	Render a DataFrame as an HTML table.

df. <u>to_json(</u>)	Convert the object to a JSON string.
df. <u>to latex(</u>)	Render an object to a tabular environment table.
df. <u>to msgpack(</u>)	msgpack (serialize) object to input file path
df. <u>to_parquet(</u>)	Write a DataFrame to the binary parquet format.

df. <u>to_period</u> ()	Convert DataFrame from DatetimeIndex to PeriodIndex with desired frequency (inferred from index if not passed)
df. <u>to_pickle(</u>)	Pickle (serialize) object to file.
df. <u>to_records(</u>)	Convert DataFrame to a NumPy record array.
df. <u>to_sparse(</u>)	Convert to SparseDataFrame

df. <u>to_sql(</u>)	Write records stored in a DataFrame to a SQL database.
df. <u>to stata</u> (fname)	Export Stata binary dta files.
df. <u>to_string(</u>)	Render a DataFrame to a console-friendly tabular output.
df. <u>to_timestamp(</u>)	Cast to DatetimeIndex of timestamps, at <i>beginning</i> of period

df. <u>to_xarray</u> ()	Return an xarray object from the pandas object.
df. <u>transform</u> ()	Call function producing a like- indexed NDFrame and return a NDFrame with the transformed values
df. <u>transpose</u> ()	Transpose index and columns.
df. <u>truediv</u> ()	Floating division of dataframe and other, element-wise (binary operator truediv).

df. <u>truncate</u> (])	Truncate a Series or DataFrame before and after some index value.
df. <u>tshift(</u> [])	Shift the time index, using the index's frequency if available.
df. <u>tz_convert(</u>)	Convert tz-aware axis to target time zone.
df. <u>tz_localize</u> (tz)	Localize tz-naive TimeSeries to target time zone.

df. <u>unstack</u> ()	Pivot a level of the (necessarily hierarchical) index labels, returning a DataFrame having a new level of column labels whose inner- most level consists of the pivoted index labels.
df. <u>update</u> (other)	Modify in place using non-NA values from another DataFrame.
df. <u>var</u> (,)	Return unbiased variance over requested axis.
df. <u>where</u> (cond)	Return an object of same shape as self and whose corresponding entries are from self where cond is True and otherwise are from other.

df.xs(key[, axis, ...])

Returns a cross-section (row(s) or column(s)) from the Series/DataFrame.