

Terms and Naming for Ground-Truthing and Layout Evaluation

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Term (and synonyms)	Description
Region (Layout region, block)	Main segments of the document layout. E.g. text region, image region, table region, ...
Region type	Type of a region (text, image, separator, chart, table, ...)
Structure level (region level, region type, element level)	Region (block, layout region), text line, word and glyph
Page element (region)	Generic term meaning a region, a text line, a word or a glyph (or even border and print space)
Evaluation results (evaluation result)	All gathered information by the evaluation (measured values, success and error rates, scores, ...)
Metrics (metric, metric result)	Absolute values for all measures, without applied weights.
Evaluation measure (measure type)	Merge, split, miss, misclassification, false detection, reading order, count deviation, precision and recall. (Meaning the measuring method)
Evaluation errors (measure results, error types)	The evaluation results for the measures (merges, splits, ...)
Performance (performance index, scores, success, success rates, performance values)	Overall error values, success and error rates.
Region based measure	Merge, split, miss, misclassification or false detection.
Area based measure	Region based measure weighted by the error areas. What area is used depends on the measure type.
Count based measure (Unit based measure)	Region based measure weighted by the error count (e.g. a region split into three regions counts as three). The count depends on the measure type.
'Use foreground area'	Setting for the area based measures to specify that the actual number of foreground pixels (black) is used instead the whole region area defined by the polygon.

