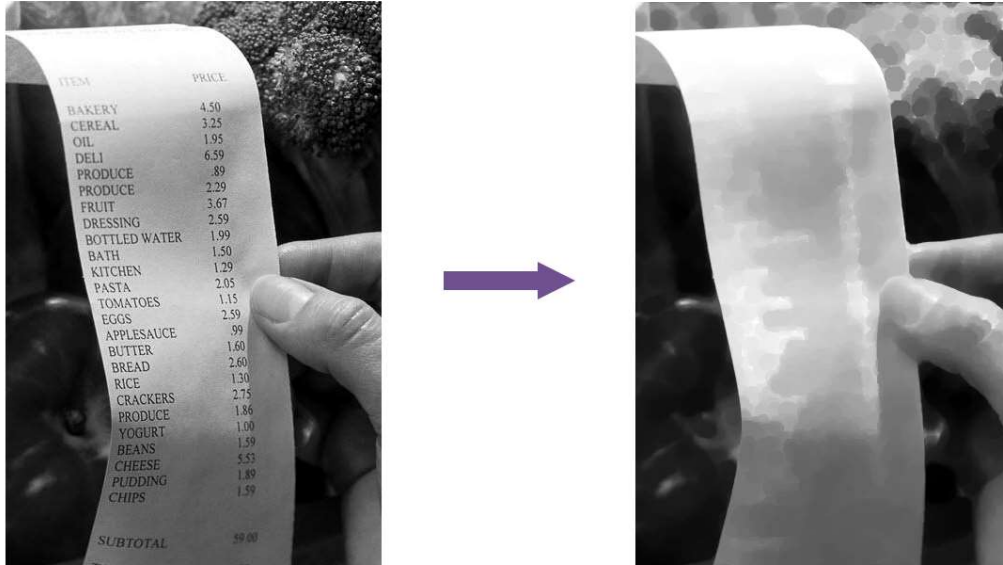


Isolating the Image Background

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Receipt images that have a busy background are more difficult to classify because artifacts pollute the row sum. To mitigate this issue, you can isolate the background and then remove it by subtraction.

In a receipt image, the background is anything that is not text, so isolating the background can be interpreted as removing the text. One way to remove text from an image is to use *morphological operations*.



A morphological closing operation emphasizes the bright paper and removes the dark text.