





# 1. Legal work can be synonymous with mountains of paperwork and manual processes, but there are a few obvious downsides to manual document assembly:

Legal work can be synonymous with mountains of paperwork and manual processes, but there are a few obvious downsides to manual document assembly:

## It wastes time and money

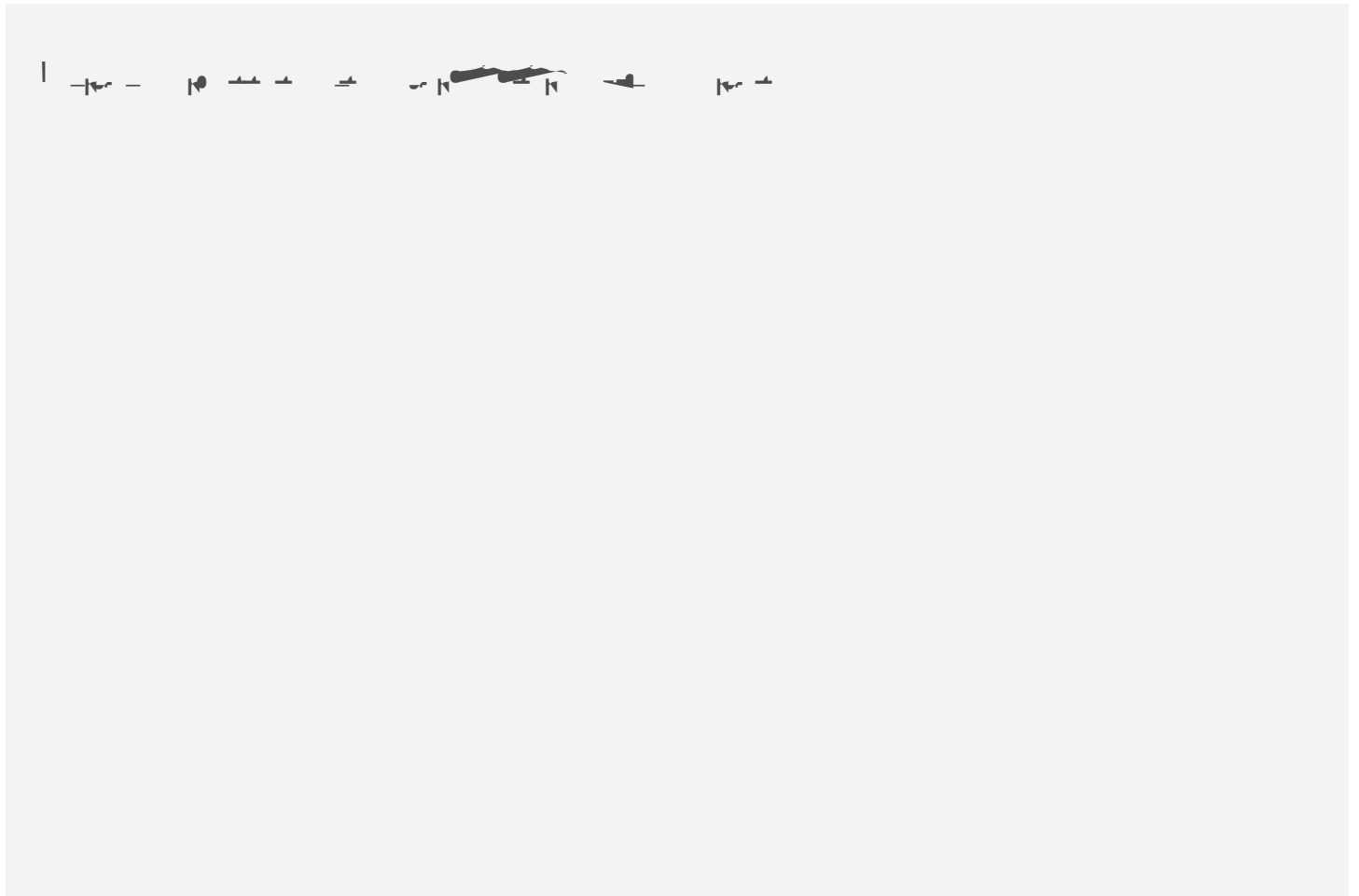
It wastes time and money. Manual document assembly is a time-consuming and costly process. It involves a lot of manual labor, which can be expensive and slow. Additionally, manual processes are prone to errors, which can lead to costly mistakes and delays.

## It lacks consistency

It lacks consistency. Manual document assembly often results in inconsistent documents. This is because different people may use different methods and templates to create documents, leading to a lack of uniformity and quality control.

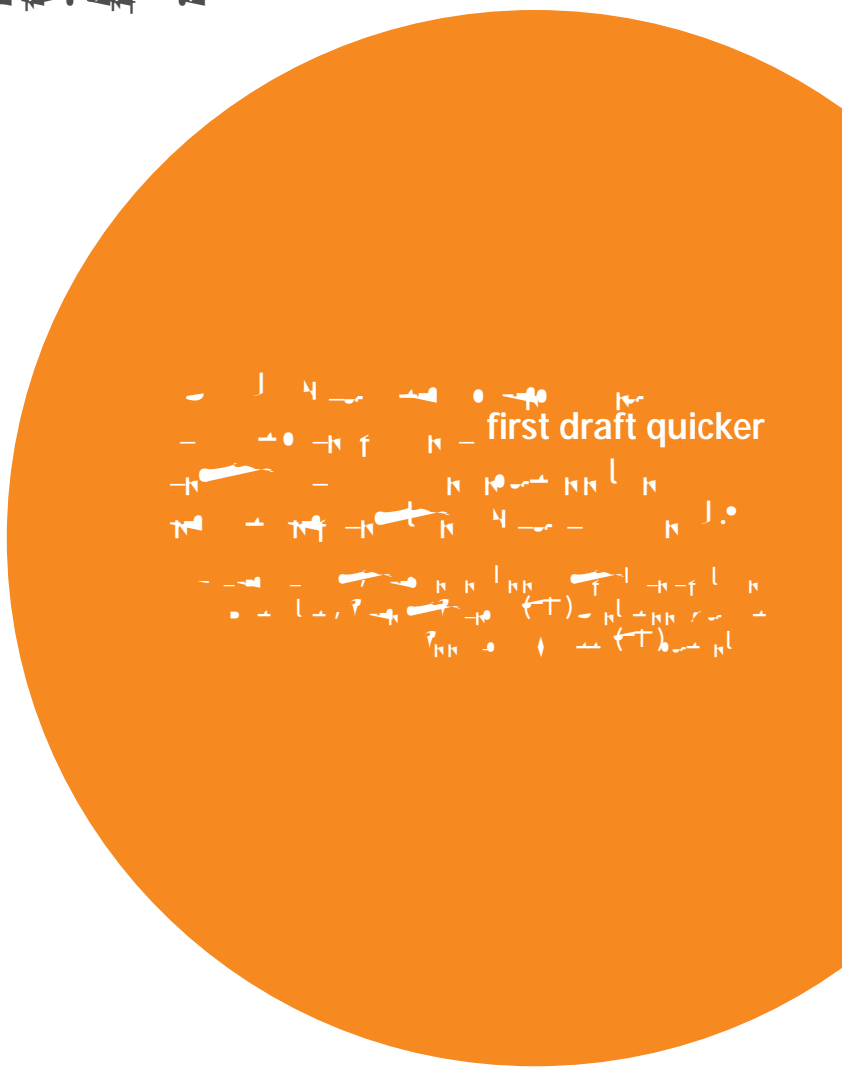
## It risks errors

It risks errors. Manual document assembly is a complex and error-prone process. It involves a lot of manual labor, which can lead to mistakes and omissions. Additionally, manual processes are often slow and inefficient, which can increase the risk of errors and delays.



## 2. $\mathbb{R}^n$ 中的距离与内积

在  $\mathbb{R}^n$  中，我们定义了向量的内积和范数。对于任意两个向量  $\mathbf{x}, \mathbf{y} \in \mathbb{R}^n$ ，它们的内积定义为：
 
$$\langle \mathbf{x}, \mathbf{y} \rangle = \sum_{i=1}^n x_i y_i$$
 而向量的范数（即长度）定义为：
 
$$\|\mathbf{x}\| = \sqrt{\langle \mathbf{x}, \mathbf{x} \rangle} = \sqrt{\sum_{i=1}^n x_i^2}$$
 此外，两个向量之间的夹角  $\theta$  可以通过内积来定义：
 
$$\cos \theta = \frac{\langle \mathbf{x}, \mathbf{y} \rangle}{\|\mathbf{x}\| \|\mathbf{y}\|}$$
 这些定义满足欧几里得几何的公理。















1. 201  $\int_{\mathbb{R}^n} \dots$
2.  $\int_{\mathbb{R}^n} \dots$
3.  $\int_{\mathbb{R}^n} \dots$
4.  $\int_{\mathbb{R}^n} \dots$



