

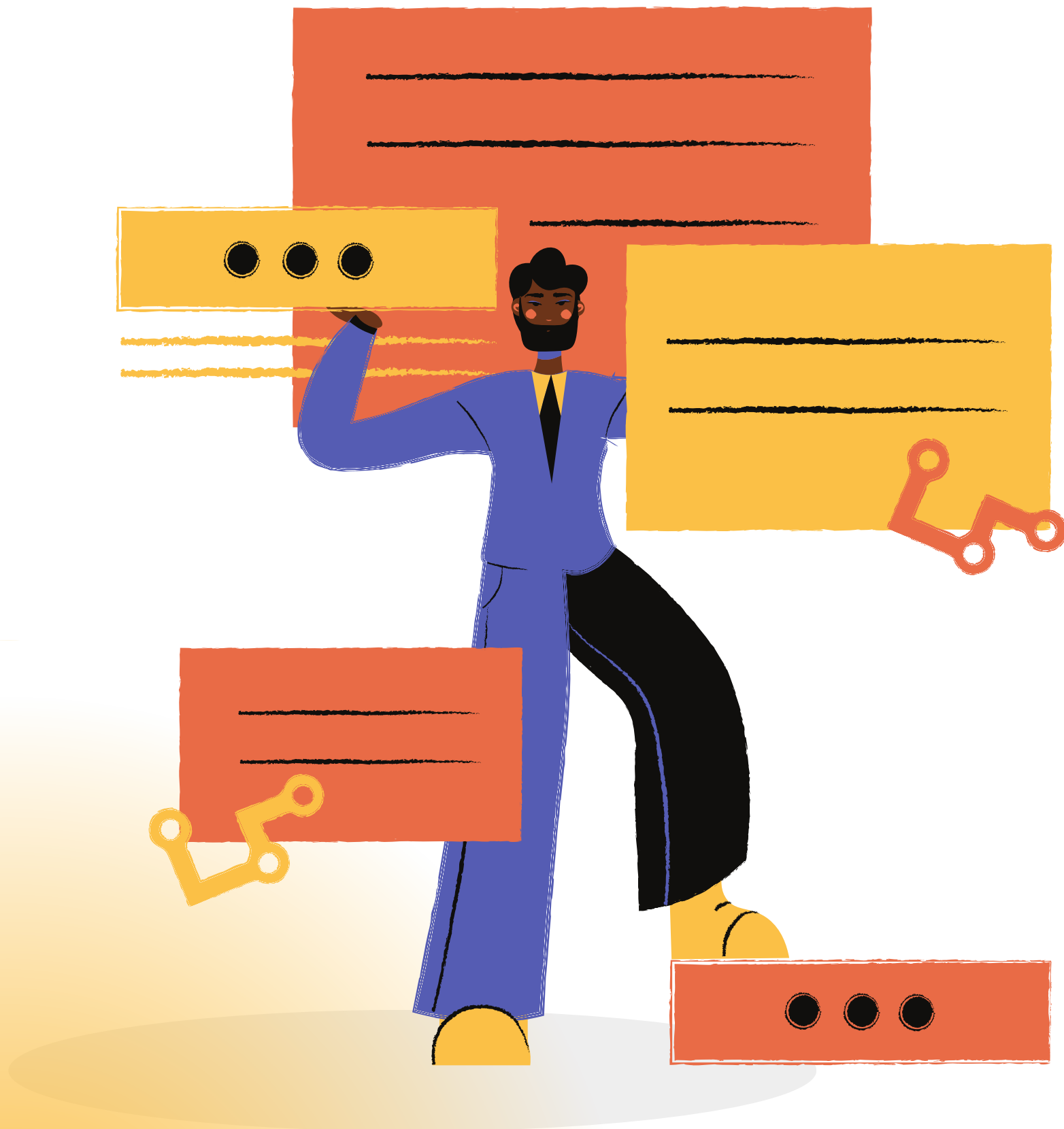


Yellevate Invoice

Dispute and Revenue Loss Analysis

Project Assignment 1 | Group 29






Problem

The problem is, there were 20% dispute raised against the company that resulted to 5% annual loss of revenue. The reason for dispute is a client expressing dissatisfaction with the company's services and refusing to pay for them.





Methodology



Process 01

Load the CSV file to PostgreSQL to perform simple analysis

Process 02


Perform data preprocessing and transformation.

Process 03

Export the cleaned data from SQL and load it to Excel.

Process 04

Performed necessary analysis and visualization in Excel





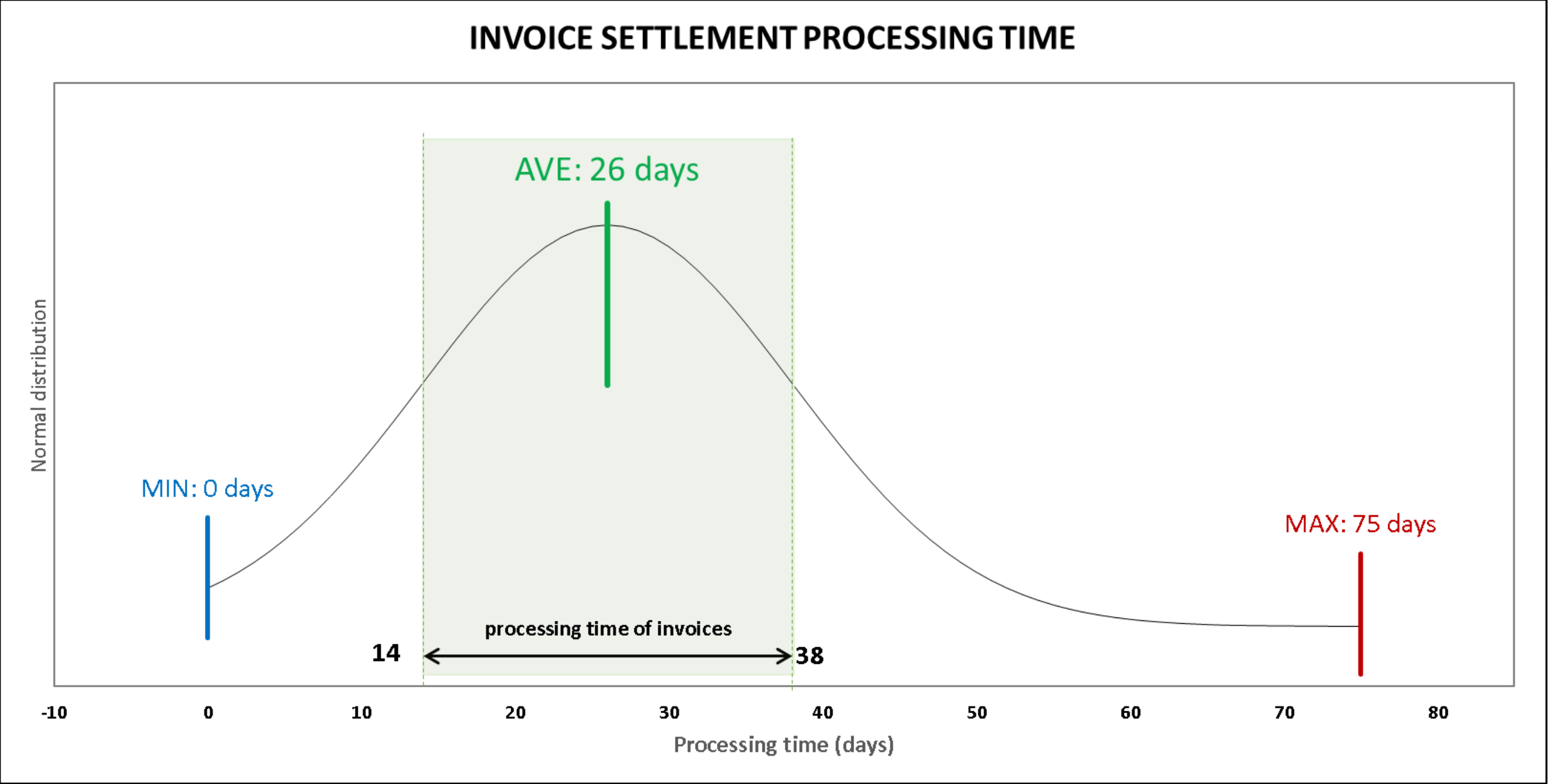
Findings





Invoice Settlement Processing Time

The average time taken to settle the invoice is **26 days**, The processing time of the invoices were settled is ranging from **14 to 38 days**, **68.80%**.

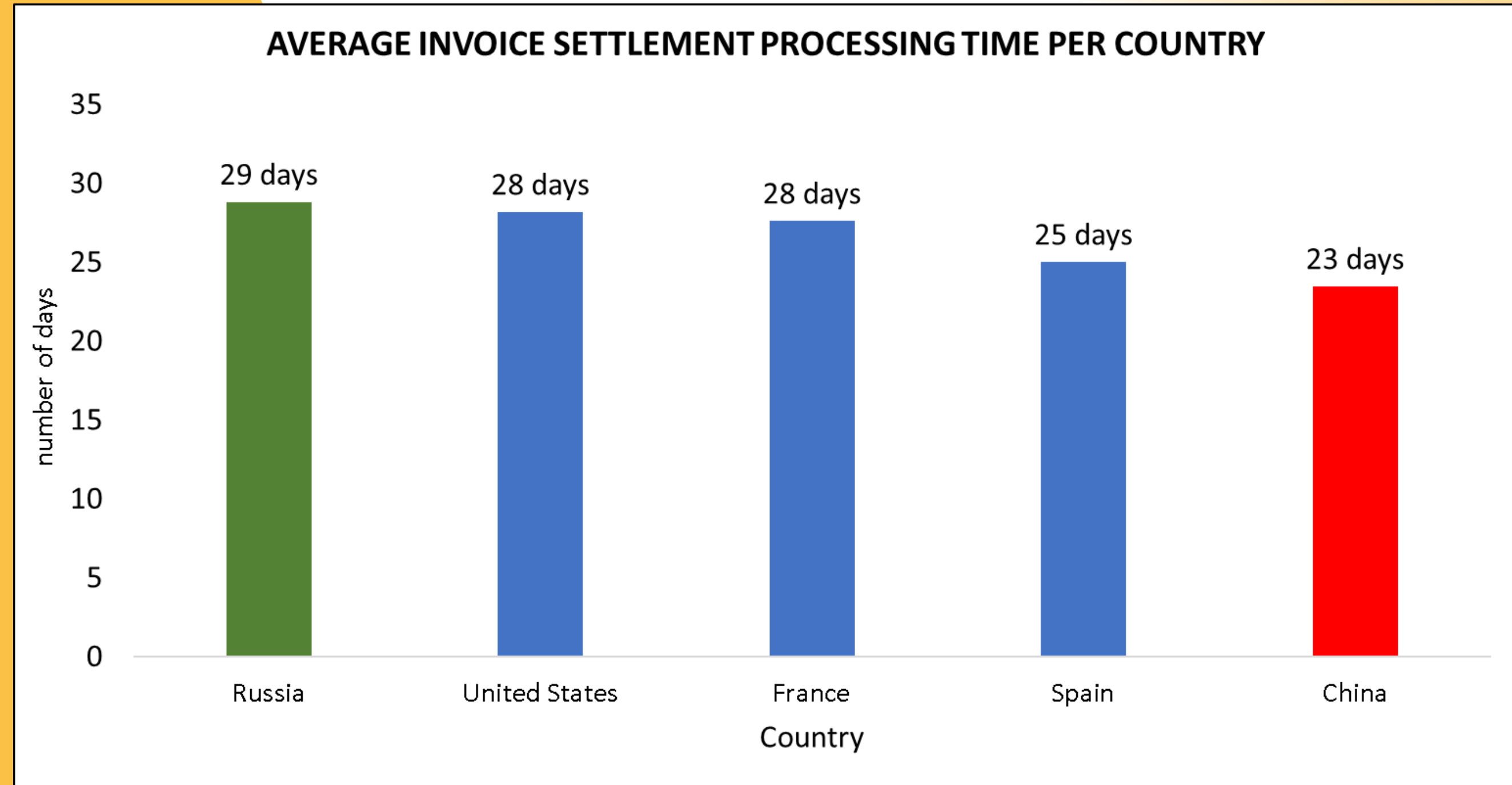


Invoice settlement days distribution:		
	Count	Percentage
Below 14 days:	361	14.6%
14 days ~ 38 days:	1696	68.8%
More than 38 days:	409	16.6%
Total Count	2466	100%



Invoice Settlement Processing Time per Country

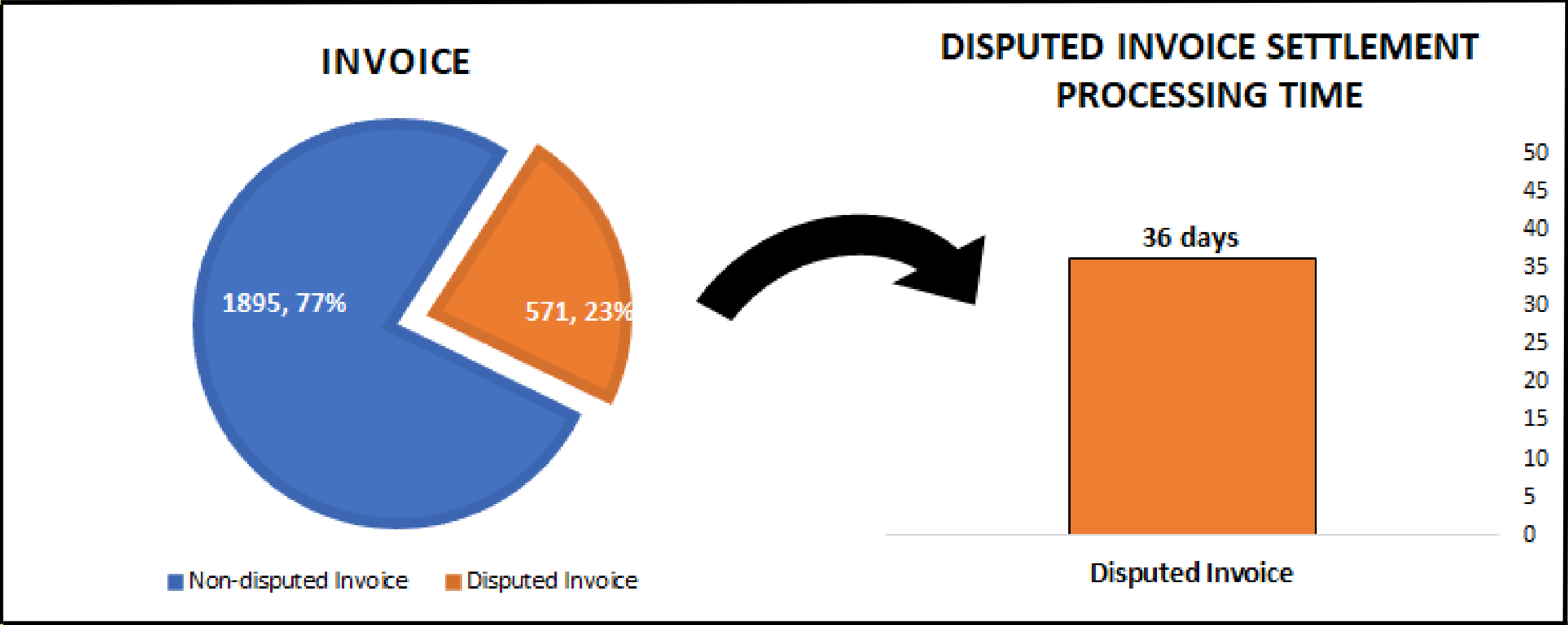
Russia has the maximum average invoice settlement processing time of **29 days**, while China has the minimum average time taken to process invoice settlement with **23 days**.





Average Days to Settle Disputes

Out of 2,466 invoices, **1,895(77%)** are not disputed. While **571(23%)** are disputed.

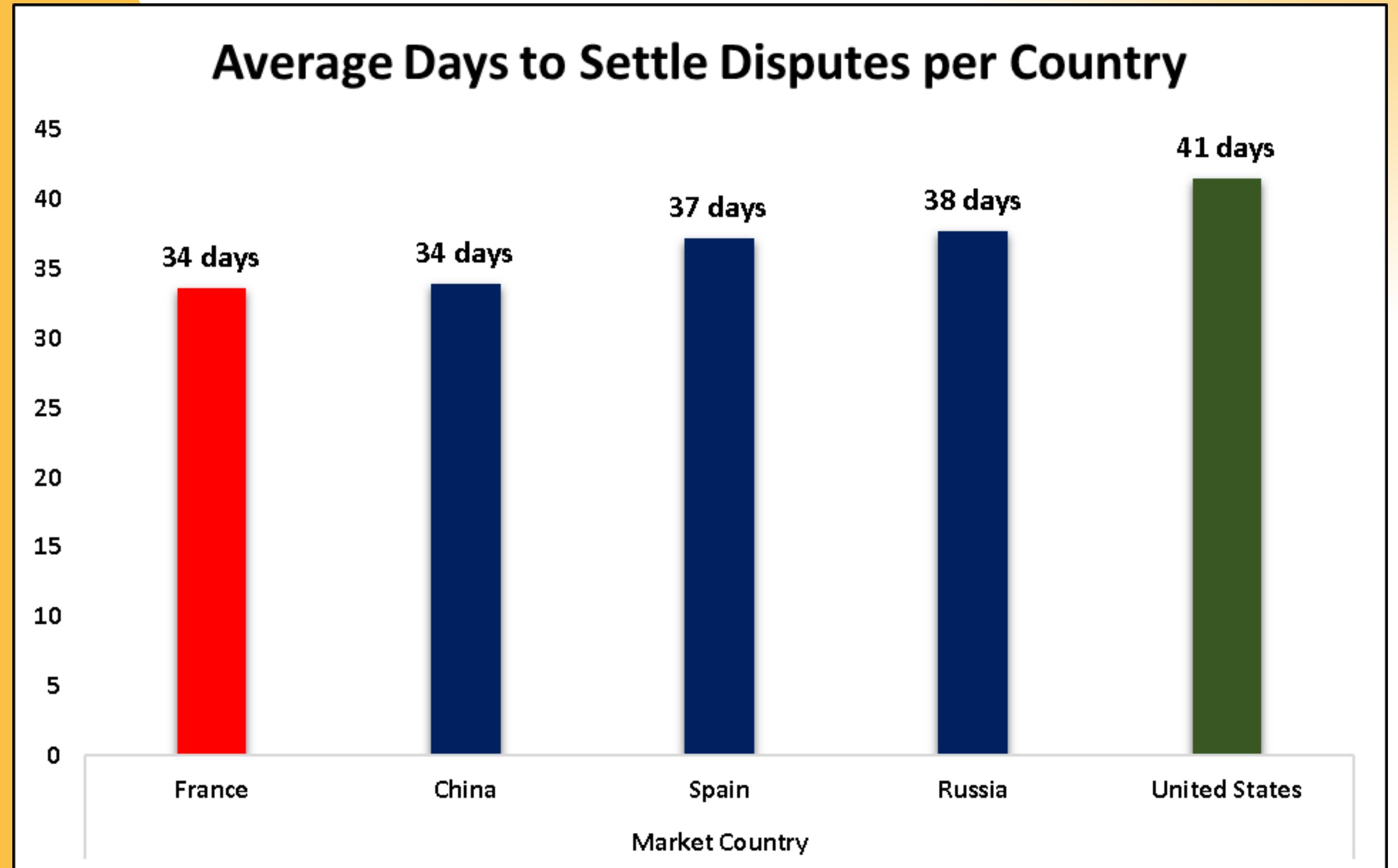


There's an average of **36 days** to settle invoices from 5 market countries.



Average Days to Settle Disputes

United States has the highest average days to settle disputes with **41 days** while France has the lowest average days to settle disputes with **34 days**.

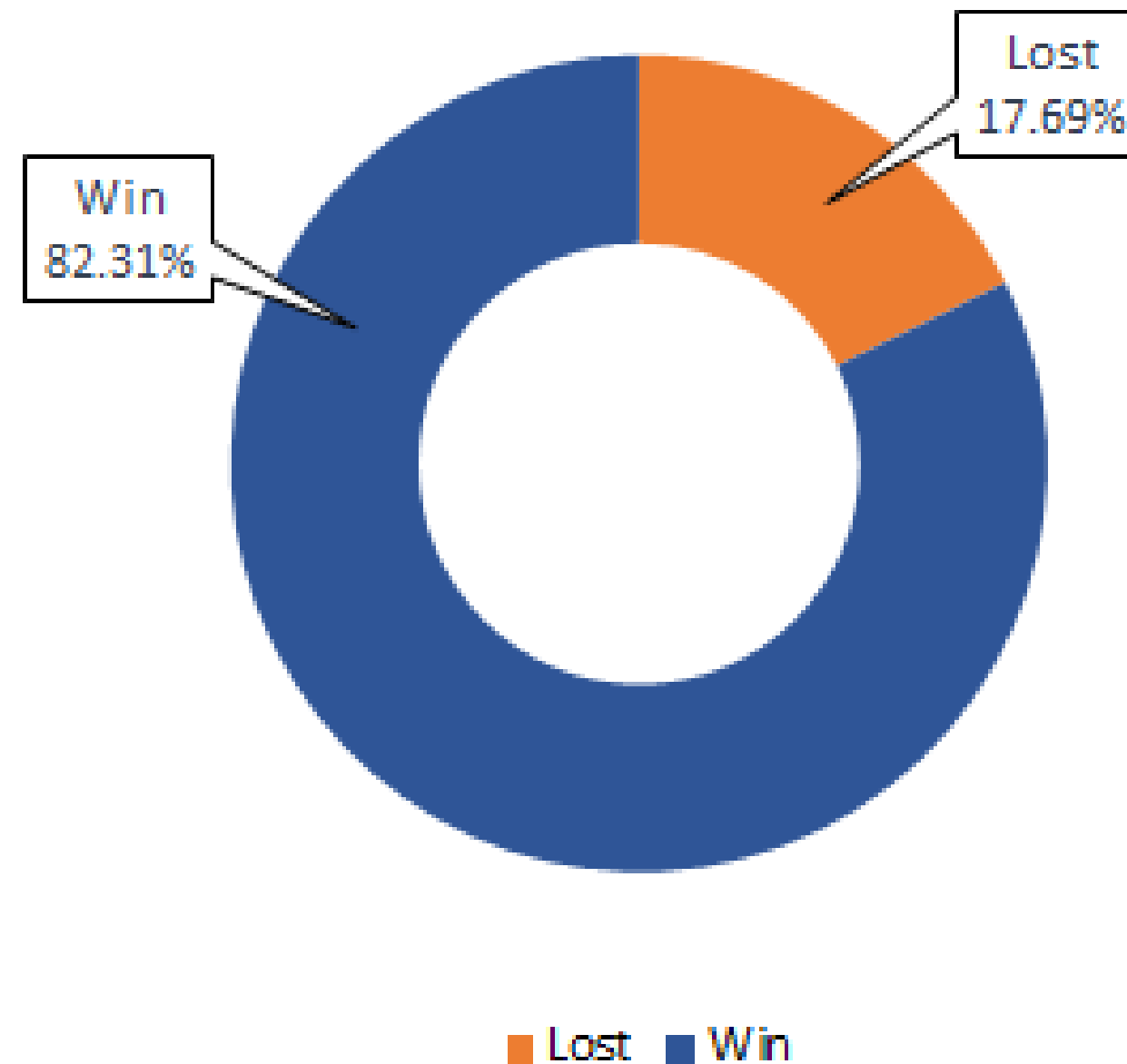




Percentage From Raised Disputes

From the raised disputes, **17.69%** is the Yellevate's lost where total of **101 payment** have been opted out.

PERCENTAGE FROM RAISED DISPUTES

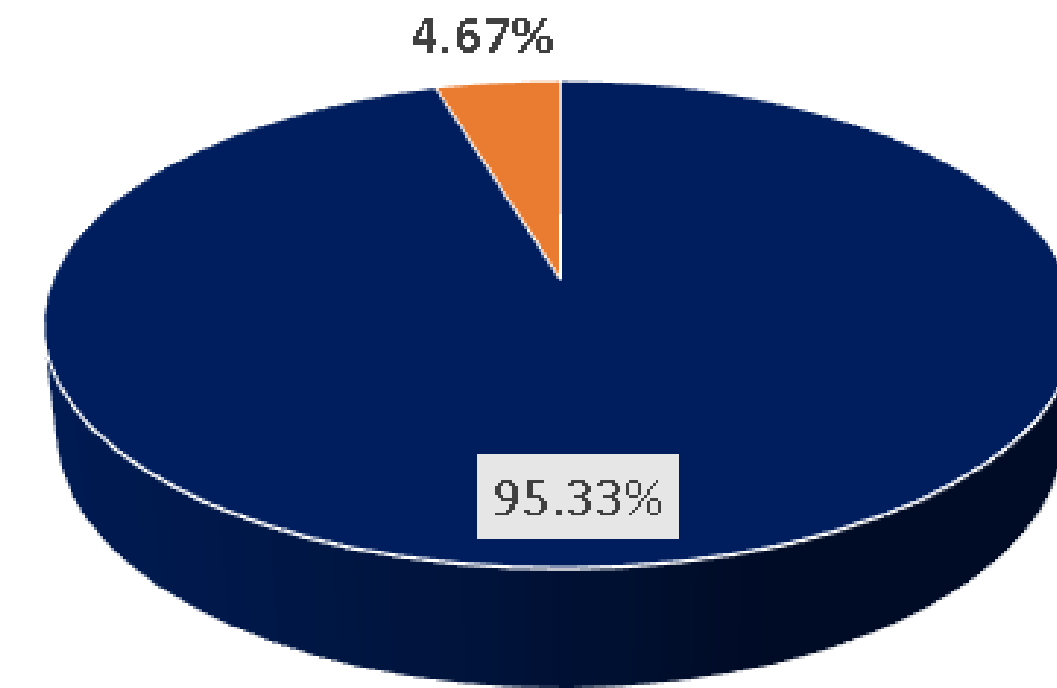




Percentage of Revenue Lost from Disputes

The revenue lost from disputes in percent with a corresponding value of **4.67%**. This percentage covers an actual amount of **\$690,167** out of **\$14,770,318**.

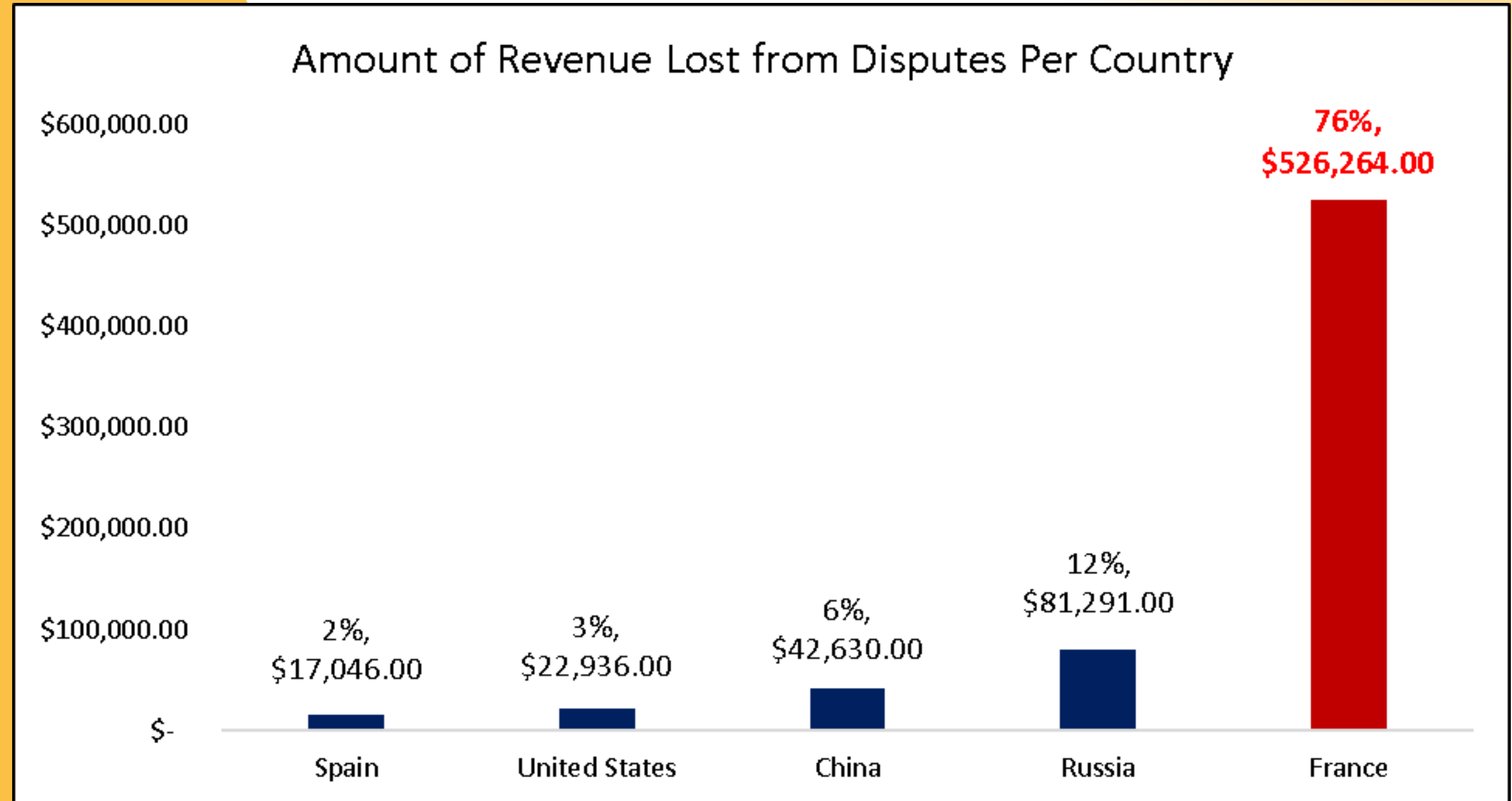
Percentage of Revenue lost from Disputes



■ Sum of Amount Gained ■ Sum of Amount Lost

Amount of Revenue Lost from Disputes Per Country

France had the highest dispute raised, hence, the total amount lost is **\$526,264.00**. France makes up **76%** of the overall amount of annual loss.





Summary

Average days to settle disputes, 36 days



Opted out dispute invoices, 17.69%



Losses reached \$690,167.00



4.7%, Yellevate's total revenue loss



Largest amount of loss due to disputes, France
(\$526,264.00)





Recommendation

**Shorten the
processing
time for
invoice
settlement**

**Address the
high
dispute
rate**

**Review and
revise
contracts**





Thank You