



# Data Collection Plan

First of all, parts of my data using python scraping in Irishjobs.ie, but they are all follow the rules of scraping.

So, according to the dashboard draft, I need to collect the data in three parts which are data engineering, data analyst and data scientist. I will take and clean the data to the examples shows below ( Each example is divided into three tables by job title ):

## 01.Basic info table

Job ID	location(strings)	Industry(strings)	Experience needed (strings → int)
01	Dublin	Software/Tech	3 years (after clean is '3')
02	Cork	Finance	internship (0)
.....			

## 02.Word cloud of skill needed

Job ID	skill (strings)
01	python, R, SQL
02	PowerBi, Tableau
.....	

After scarping the data and clean it to tables, one more table is still needed according to the dashboard. Data in these tables is from government web which means the official data.

## Table of trends and salary

Job title	Average salary	Job numbers in Jan 2021	Job numbers in Feb 2021	.....	Job number in Aug 2025
Data engineer	50000	4000	4100	.....	6000
Data analyst	45000	5000	5200	.....	6500
Data scientist	60000	3000	3200	.....	4700
.....					

👉 So this document will guide the entire process of data crawling. The goal of the crawler is to generate the above table and then perform data analysis. Wish me good luck!