🚀 Complete Setup Guide

Quick Setup (5 minutes)

Option 1: Automated Installation (macOS/Linux)

```bash
# Clone repository
git clone https://github.com/yourusername/machinery-matcher.git
cd machinery-matcher

# Run install script
chmod +x install.sh
./install.sh

# Edit config
nano config.py  # Add your API key

# Run dashboard
python3 machinery_dashboard.py
```

Option 2: Manual Installation

```bash
# Clone repository
git clone https://github.com/yourusername/machinery-matcher.git
cd machinery-matcher

# Install dependencies
pip3 install -r requirements.txt

# Create config
cp config.py.example config.py
nano config.py  # Add your API key

# Run dashboard
python3 machinery_dashboard.py
```

Detailed Setup Instructions

Step 1: Prerequisites

Required:

- Python 3.8 or higher
- pip (Python package manager)
- Internet connection

Optional:

- Git (for cloning repository)

Check Python version:

```
bash

python3 --version
```

Should show `Python 3.8.x` or higher.

If Python not installed:

- **macOS:** `brew install python3`
- **Windows:** Download from https://python.org
- **Linux:** `sudo apt install python3 python3-pip`

Step 2: Get the Code

Option A: Clone with Git

```
bash

git clone https://github.com/yourusername/machinery-matcher.git
cd machinery-matcher
```

Option B: Download ZIP

1. Go to GitHub repository
2. Click "Code" → "Download ZIP"
3. Extract to desired location
4. Open Terminal and navigate to folder

Step 3: Install Dependencies

```bash
# Navigate to project folder
cd machinery-matcher

# Install required packages
pip3 install -r requirements.txt
```

Expected output:

```
Successfully installed pandas-2.x.x anthropic-0.x.x ...
```

Step 4: Get API Key

1. Visit: https://console.anthropic.com
2. Sign up or log in
3. Click "API Keys" in sidebar
4. Click "Create Key"
5. Copy the key (starts with `sk-ant-`)

Step 5: Configure

```bash
# Copy config template
cp config.py.example config.py
```

```
# Edit config
nano config.py
```

Update these values:

```
python

ANTHROPIC_API_KEY = "sk-ant-your-actual-key-here"
CSV_FILE_PATH = "prospects.csv"
```

Save: Ctrl+O, Enter, Ctrl+X

Step 6: Add Your Data

Copy your prospects CSV:

```
bash

cp /path/to/your/prospects.csv ./
```

Or create a test file:

```
bash

cp examples/sample_prospects.csv prospects.csv
```

Step 7: Run

Option A: Web Dashboard (Recommended)

```
bash

python3 machinery_dashboard.py
```

Then open: http://localhost:5000

Option B: Command Line

```bash
python3 machinery_matcher.py
```

Verification Checklist

Before running, verify:

- [ ] Python 3.8+ installed
- [ ] All dependencies installed
- [ ] `config.py` exists (copied from `.example`)
- [ ] API key added to `config.py`
- [ ] `prospects.csv` in project folder
- [ ] CSV filename matches `config.py`

Common Issues

"Module not found"

```bash
pip3 install --upgrade pip
pip3 install -r requirements.txt
```

"Python not found"

- Use `python3` instead of `python`
- Or `py` on Windows

"Permission denied"

```bash
chmod +x install.sh
# Or use: bash install.sh
```

"Port already in use"

```bash
# Kill process on port 5000
lsof -ti:5000 | xargs kill -9

# Or edit machinery_dashboard.py:
# Change: app.run(debug=True, port=5001)
```

Next Steps

1. ✅ Setup complete
2. Run dashboard: `python3 machinery_dashboard.py`
3. Open browser: http://localhost:5000
4. Upload CSV
5. Click "Start Analysis"
6. Download results!

Support

- **Documentation:** See `docs/` folder
- **Issues:** GitHub Issues
- **Questions:** Create a discussion on GitHub

Ready to start? Run `python3 machinery_dashboard.py`! 🚀