

# Drums Data Import Process

This directory contains scripts to import and process drum inventory data from CSV into the Supabase database.

## Files

- `generate_sql_from_csv.js` - Node.js script to convert CSV data into SQL insert statements
- `import_drums_data.sql` - Generated SQL to import raw data into the `public.drums` table
- `process_drums_to_stock.sql` - SQL to aggregate and transfer data from `drums` to `stock_repro`

## Import Process

### Step 1: Generate SQL from CSV

This step has already been completed, but if you need to regenerate the SQL:

```
# Install dependencies
npm install csv-parse

# Run the script
node scripts/generate_sql_from_csv.js
```

This will read the CSV file at `/Users/conrad/Documents/apps/data/repro-data.csv` and generate `import_drums_data.sql`.

### Step 2: Import Raw Data into Supabase

1. Open your Supabase dashboard
2. Navigate to the SQL Editor
3. Copy and paste the contents of `import_drums_data.sql` into the editor
4. Run the SQL to insert all records into the `public.drums` table

## Step 3: Process Data to Stock Table

1. Open the Supabase SQL Editor again
2. Copy and paste the contents of `process_drums_to_stock.sql` into the editor
3. Run the SQL to aggregate the data and insert into the `stock_repro` table

## Data Transformations

The following transformations are applied during import:

- `material_code` : Takes the first 3 characters of the material name in uppercase (or 'XXX' if empty)
- `site` : Converts "New Site" to "new" and "Old Site" to "old" (takes first 3 chars lowercase)
- `status` : Set to 'R' for all records (representing Repro drums)

## Aggregation Process

The data is aggregated from the `drums` table to the `stock_repro` table by:

1. Grouping by `material_code` and `site`
2. Counting the number of records in each group (quantity)
3. Creating a note with the import date
4. Setting the appropriate location based on the site