Write a complete Python Streamlit app named `sec\_dash.py` that:

1. Sets up a “Email & Zeek Security Dashboard” with page title “Email & Zeek Security Dashboard”, lock icon, wide layout.

2. Auto-refreshes every 5 seconds via injected JavaScript.

3. Provides a sidebar radio to choose between five views:

- Email Analysis

- Zeek Network Traffic

- Zeek HTTP Analysis

- Zeek DNS Analysis

- Combined Security Intel

4. Defines paths:

- `email\_analysis\_report.txt` in the current working directory

- `email\_analyzer.db` in the current working directory

- Zeek logs under `/usr/local/zeek/spool/zeek/{conn,http,dns}.log`

5. Implements `@st.cache\_data` loader functions:

- `load\_email\_report\_text()` reads and returns the report text file.

- `load\_email\_runs()` reads the latest 10 `filename, threat\_score, created\_at` from the `reports` table in the SQLite DB (convert `created\_at` to datetime).

- `load\_zeek\_log(log\_type)` parses Zeek `{conn,http,dns}.log`, reads `#fields` header if present, loads into a DataFrame, and coerces a `ts` column to datetime.

6. \*\*Email Analysis\*\* view:

- Parses the text report to extract metrics (total emails, avg. SpamAssassin score, count above threshold), top domains, VirusTotal scores, content scores, action-phrase counts, and threat-level bins (High/Medium/Low/Minimal).

- Displays top-level metrics in three metrics, then sections titled “Top Domains Analyzed”, “VirusTotal Threat Analysis”, “Content & Action Analysis”, and “Threat Levels” with tables or metric widgets as appropriate.

7. \*\*Zeek Network Traffic\*\* view:

- Shows total connections.

- Allows date-range filtering on `ts`.

- Displays the top 10 `id.orig\_h` as “Top Source IPs” and top 10 `id.resp\_h` as “Top Destination IPs” (filter out any literal “undefined”), and a pie chart of protocol mix.

8. \*\*Zeek HTTP Analysis\*\* view:

- Shows total HTTP requests.

- Renders a pie chart of status-code categories (`1xx`–`5xx`).

- Displays a bar chart of top 10 `id.orig\_h` as “Top Clients” and, if present, a bar chart of top 10 `host`.

9. \*\*Zeek DNS Analysis\*\* view:

- Shows total DNS queries.

- If `qtype\_name` exists, displays its top 10 counts as a bar chart.

10. \*\*Combined Security Intel\*\* view:

- Displays a DataFrame of the 10 most recent email runs from SQLite, with columns renamed to “File”, “Threat Score”, and “Date”.

- Shows four metrics: connections, HTTP requests, DNS queries, and count of email runs with `threat\_score > 0.7`.

- Provides expanders for the latest report log line, and DataFrame previews of the first 10 rows for connections, HTTP, and DNS.

Use only standard libraries plus `streamlit`, `pandas`, `sqlite3`, `plotly.express`, `os`, `re`, `numpy`, and `datetime`. Ensure all charts and tables render correctly and that the app reloads every 5 seconds.