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import pandas as pd
import scrapydo
from spiders.wiki_manufacturer import WikiManufacturerSpider

from extractors.direct_downloads import write_extracted_data

def extract_wiki_manufacturers(verbose=False, is_test=False):
    """
    Extracts supplemental aircraft input data from Wikipedia's list of aircraft manufacturers using a Scrapy Spider

    :param (bool) verbose: if 'True' print progress messages
    :param (bool) is_test: if 'True' the session is in a testing-context
    :return: supplemental aircraft input data extracted from remote sources
    """

    if verbose:
        print("Progress: extracting and writing supplemental aircraft manufacturers data from Wikipedia")

    # extract supplemental input data
    scrapydo.setup()
    wiki_manufacturers = scrapydo.run_spider(WikiManufacturerSpider)

    # write extracted supplemental input data
    write_extracted_data("wiki_manufacturers.json", "", wiki_manufacturers, is_test=is_test, is_supplemental=True)

    wiki_manufacturers = pd.DataFrame(wiki_manufacturers)

    return wiki_manufacturers
```