

# Market Trend Discovery Agent

n8n Workflow Export — JSON Source (node count: 37)

```
{
  "name": "Market Trend Discovery Agent",
  "nodes": [
    {
      "parameters": {
        "options": {}
      },
      "type": "@n8n/n8n-nodes-langchain.chatTrigger",
      "typeVersion": 1.5,
      "position": [
        -992,
        -16
      ],
      "id": "25e87c8a-d197-47fa-a886-e334c82e91be",
      "name": "When chat message received",
      "webhookId": "fa51cfd5-1b1a-47b1-af59-3bbe0954a437"
    },
    {
      "parameters": {
        "options": {}
      },
      "type": "@n8n/n8n-nodes-langchain.lmChatGoogleGemini",
      "typeVersion": 1.1,
      "position": [
        -112,
        208
      ],
      "id": "70503281-3b20-4f41-b8b0-13723b207aed",
      "name": "Google Gemini Chat Model",
      "credentials": {
        "googlePalmaApi": {
          "id": "gx8UBqASCGoxStNq",
          "name": "Google Gemini(PaLM) Api account 2"
        }
      }
    },
    {
      "parameters": {},
      "type": "@n8n/n8n-nodes-langchain.memoryBufferWindow",
      "typeVersion": 1.4,
      "position": [
        16,
        224
      ],
      "id": "022ed075-c734-4bf9-9973-9719c9d9b443",
      "name": "Simple Memory"
    },
    {
      "parameters": {
        "options": {
          "systemMessage": "ou are a user intent classification specialist.\n\nYour task: Determine if the user's input relates to rugs trends.\n"
        }
      },
      "type": "@n8n/n8n-nodes-langchain.agent",
      "typeVersion": 3.1,
      "position": [
        -864,
        -16
      ],
      "id": "d6c61a6e-f1c2-4d9a-b22f-1559809002cf",
      "name": "Find User Intent"
    },
    {
      "parameters": {
        "jsCode": "// Input example:\n// [\n//   {\n//     \"output\": \"```\n//     \"trend\": \"no\", \n//     \"answer\": \"Hello\""}
      },
      "type": "n8n-nodes-base.code",
      "typeVersion": 2,
      "position": [
        -544,
        -16
      ],
      "id": "39f0b151-6989-41c3-b837-420327b5fad6",
      "name": "Code in JavaScript"
    },
    {
      "parameters": {
        "conditions": {
          "options": {
            "caseSensitive": true,

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        "leftValue": "",
        "typeValidation": "strict",
        "version": 3
    },
    "conditions": [
        {
            "id": "a19b096e-e061-4bab-8c93-415e9c82a9bd",
            "leftValue": "={{ $json.trend }}",
            "rightValue": "yes",
            "operator": {
                "type": "string",
                "operation": "equals"
            }
        }
    ],
    "combinator": "and"
},
"options": {}
},
"type": "n8n-nodes-base.if",
"typeVersion": 2.3,
"position": [
    -352,
    -32
],
"id": "939a3274-cdc3-4e05-8bee-efc700ce9778",
"name": "If"
},
{
    "parameters": {
        "promptType": "define",
        "text": "={{ $('When chat message received').item.json.chatInput }}\n",
        "batching": {}
    },
    "type": "@n8n/n8n-nodes-langchain.chainLlm",
    "typeVersion": 1.9,
    "position": [
        128,
        224
    ],
    "id": "94b1d924-034f-4c6e-a47f-4748531abb9c",
    "name": "Basic LLM Chain"
},
{
    "parameters": {
        "options": {}
    },
    "type": "@n8n/n8n-nodes-langchain.lmChatGoogleGemini",
    "typeVersion": 1.1,
    "position": [
        208,
        336
    ],
    "id": "b67e7c8a-9041-40d4-a17e-f888de45a049",
    "name": "Google Gemini Chat Model1",
    "credentials": {
        "googlePalmApi": {
            "id": "gx8uBqASCGoxStNq",
            "name": "Google Gemini(PaLM) Api account 2"
        }
    }
},
{
    "parameters": {
        "url": "https://ruginsider.com/carpet-and-rug-news?format=feed&type=rss",
        "options": {}
    },
    "type": "n8n-nodes-base.rssFeedRead",
    "typeVersion": 1.2,
    "position": [
        208,
        -144
    ],
    "id": "6b1027a5-5b73-4001-9b4b-1ab940751c69",
    "name": "RSS Read"
},
{
    "parameters": {
        "url": "https://rugsociety.eu/blog/feed/",
        "options": {}
    },
    "type": "n8n-nodes-base.rssFeedRead",
    "typeVersion": 1.2,
    "position": [
        48,
        -128
    ]
}

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    ],
    "id": "0601b70a-085a-4d5a-a717-ace546d7c6e9",
    "name": "RSS Read1"
  },
  {
    "parameters": {
      "url": "https://locustlanerugs.com/blogs/the-lane.atom",
      "options": {}
    },
    "type": "n8n-nodes-base.rssFeedRead",
    "typeVersion": 1.2,
    "position": [
      256,
      0
    ],
    "id": "99002c14-756b-4b8f-9951-611c632ebec8",
    "name": "RSS Read2"
  },
  {
    "parameters": {
      "url": "https://boutiquerugs.com/blogs/boutique-blog.atom",
      "options": {}
    },
    "type": "n8n-nodes-base.rssFeedRead",
    "typeVersion": 1.2,
    "position": [
      224,
      112
    ],
    "id": "23df74c8-293a-4af5-b624-56d3b074a79b",
    "name": "RSS Read3"
  },
  {
    "parameters": {
      "numberInputs": 4
    },
    "type": "n8n-nodes-base.merge",
    "typeVersion": 3.2,
    "position": [
      416,
      32
    ],
    "id": "ec2bf3b5-784d-4631-9895-1c76ed69364c",
    "name": "Merge RSS Feeds"
  },
  {
    "parameters": {
      "fieldToSplitOut": "title, link, pubDate, content, contentSnippet, isoDate",
      "options": {}
    },
    "type": "n8n-nodes-base.splitOut",
    "typeVersion": 1,
    "position": [
      560,
      64
    ],
    "id": "8d81e269-b6d1-43f6-bb8f-6f79bba1336d",
    "name": "Split RSS Feeds"
  },
  {
    "parameters": {
      "jsCode": "const output = [];\nconst now = new Date();\nconst twoDaysAgo = new Date();\ntwoDaysAgo.setDate(now.getDate() - 7); // only in
    },
    "type": "n8n-nodes-base.code",
    "typeVersion": 2,
    "position": [
      672,
      224
    ],
    "id": "d206ce6f-f461-4165-9249-65be816b9b04",
    "name": "Filter - Recent Times"
  },
  {
    "parameters": {
      "method": "POST",
      "url": "https://google.serper.dev/search",
      "sendQuery": true,
      "queryParameters": {
        "parameters": []
      },
      "sendHeaders": true,
      "headerParameters": {
        "parameters": [
          {
            "name": "Content-Type\\t",
            "value": "application/json"
          }
        ]
      }
    }
  }

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    },
    {
      "name": "X-API-KEY",
      "value": "6b51446423fafa1fc9859544fd2fdd3eccb23879"
    }
  ]
},
{
  "sendBody": true,
  "specifyBody": "json",
  "jsonBody": "={\n  \"q\": \"{{ $('When chat message received').item.json.chatInput }}\"\n}",
  "options": {}
},
{
  "type": "n8n-nodes-base.httpRequest",
  "typeVersion": 4.5,
  "position": [
    816,
    256
  ],
  "id": "8e7fe14e-4706-426d-9b48-4d27925eed3f",
  "name": "Google Search"
},
{
  {
    "parameters": {
      "jsCode": "let inputText = $input.first().json.chatInput || $('When chat message received').first().json.chatInput;\n\n// Regex patterns"
    },
    "type": "n8n-nodes-base.code",
    "typeVersion": 2,
    "position": [
      -240,
      -352
    ],
    "id": "db47156c-a2d4-45e9-ba89-345f57812ce6",
    "name": "Find URLs"
  },
  {
    "parameters": {
      "jsCode": "// Get input JSON\nlet inputData = $input.first().json;\n\n// Function to clean links (remove trailing commas and whitespace)"
    },
    "type": "n8n-nodes-base.code",
    "typeVersion": 2,
    "position": [
      -16,
      -352
    ],
    "id": "8e7adf65-1a40-4991-a787-88543a81d04d",
    "name": "Amazon Scraper"
  },
  {
    "parameters": {
      "jsCode": "// Get input JSON\nlet inputData = $input.first().json;\n\n// Get Amazon product links safely\nlet amazonProducts = (inputData"
    },
    "type": "n8n-nodes-base.code",
    "typeVersion": 2,
    "position": [
      208,
      -352
    ],
    "id": "30a9a5cd-17e2-483b-8cea-c931e63d115b",
    "name": "Amazon Products"
  },
  {
    "parameters": {
      "amount": 10
    },
    "type": "n8n-nodes-base.wait",
    "typeVersion": 1.1,
    "position": [
      96,
      -560
    ],
    "id": "438aea94-c719-4194-a50f-1519c70501cb",
    "name": "Wait",
    "webhookId": "382332ec-8d28-41d0-8733-15a9953a9a09"
  },
  {
    "parameters": {
      "jsCode": "// Get input JSON\nlet inputData = $input.first().json;\n\n// Get Amazon collection links safely\nlet amazonCollections = (inp"
    },
    "type": "n8n-nodes-base.code",
    "typeVersion": 2,
    "position": [
      272,
      -560
    ],
    "id": "db38492c-d466-4a9a-8613-a539eb895abb",
    "name": "Amazon Collections"
  }
}

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},
{
  "parameters": {
    "url": "={{ $json.url }}",
    "sendHeaders": true,
    "headerParameters": {
      "parameters": [
        {
          "name": "User-Agent",
          "value": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36"
        }
      ]
    },
    "options": {
      "timeout": 10000
    }
  },
  "type": "n8n-nodes-base.httpRequest",
  "typeVersion": 4.5,
  "position": [
    432,
    -352
  ],
  "id": "1757063e-d421-46ed-8fdb-a7a82174b363",
  "name": "Get HTML Content"
},
{
  "parameters": {
    "jsCode": "const cheerio = require('cheerio');\nconst results = [];\n\nfor (const item of $input.all()) {\n  try {\n    const url = item
  },
  "type": "n8n-nodes-base.code",
  "typeVersion": 2,
  "position": [
    656,
    -352
  ],
  "id": "dde2539f-9442-433d-9dd6-aaf64692b7cb",
  "name": "Get Amazon Product detail"
},
{
  "parameters": {
    "url": "={{ $json.url }}",
    "sendHeaders": true,
    "headerParameters": {
      "parameters": [
        {
          "name": "Cookie",
          "value": " i18n-prefs=USD; lc-main=en_US; session-id=141-8209501-9981461; session-id-time=2082787201l; ubid-main=134-5719883-58510
        }
      ]
    },
    "options": {}
  },
  "type": "n8n-nodes-base.httpRequest",
  "typeVersion": 4.5,
  "position": [
    448,
    -560
  ],
  "id": "0de4f48a-cf5c-4fc3-bf8a-f8415bbb21c6",
  "name": "Get HTML of website."
},
{
  "parameters": {
    "operation": "extractHtmlContent",
    "extractionValues": {
      "values": [
        {
          "key": "product_links",
          "cssSelector": "div div a[href*='/dp/']",
          "returnValue": "attribute",
          "returnArray": true
        }
      ]
    },
    "options": {}
  },
  "type": "n8n-nodes-base.html",
  "typeVersion": 1.2,
  "position": [
    624,
    -560
  ],
  "id": "359d9242-0375-4548-b1a3-0f634f8db481",
  "name": "Extract HTML Content"
},

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```

{
  "parameters": {
    "jsCode": "for (const item of $input.all()) {\n  // Remove duplicates from product_links array\n  const uniqueLinks = [...new Set($input\n\n    },\n    \"type\": \"n8n-nodes-base.code\",
    \"typeVersion\": 2,
    \"position\": [
      800,
      -576
    ],
    \"id\": \"3bf73dc9-1847-46aa-9ee4-88d351cb00d6\",
    \"name\": \"Make Amazon accessible URL1.\"
  },
  {
    \"parameters\": {
      \"jsCode\": \"// Split the URLs into individual items for processing one by one\nconst productLinks = $input.first().json.product_links;\n\n    },
    \"type\": \"n8n-nodes-base.code\",
    \"typeVersion\": 2,
    \"position\": [
      992,
      -560
    ],
    \"id\": \"17d8377e-af67-4216-88ac-5f314d4eb224\",
    \"name\": \"Split URLs1\"
  },
  {
    \"parameters\": {
      \"url\": \"={{ $json.url }}\",
      \"sendHeaders\": true,
      \"headerParameters\": {
        \"parameters\": [
          {
            \"name\": \"User-Agent\",
            \"value\": \"Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36\"
          }
        ]
      },
      \"options\": {
        \"timeout\": 10000
      }
    },
    \"type\": \"n8n-nodes-base.httpRequest\",
    \"typeVersion\": 4.5,
    \"position\": [
      1200,
      -560
    ],
    \"id\": \"bbd32a3b-c5d2-4d13-abf2-533345832cdf\",
    \"name\": \"URL-wise HTML gather\"
  },
  {
    \"parameters\": {
      \"jsCode\": \"const cheerio = require('cheerio');\nconst results = [];\n\nfor (const item of $input.all()) {\n  try {\n    const url = item\n\n    },
    \"type\": \"n8n-nodes-base.code\",
    \"typeVersion\": 2,
    \"position\": [
      1408,
      -560
    ],
    \"id\": \"bcd36d46-9478-4b8b-b42d-f6fc99f2b9d9\",
    \"name\": \"Amazon Scraper2\"
  },
  {
    \"parameters\": {
      \"numberInputs\": 4
    },
    \"type\": \"n8n-nodes-base.merge\",
    \"typeVersion\": 3.2,
    \"position\": [
      976,
      0
    ],
    \"id\": \"4c72f76d-490e-4165-a945-bb9204853f8d\",
    \"name\": \"Merge\"
  },
  {
    \"parameters\": {
      \"jsCode\": \"// n8n JavaScript Code to Process and Return All Data in One Array\n// Combines all products and articles into a single array\"
    },
    \"type\": \"n8n-nodes-base.code\",
    \"typeVersion\": 2,
    \"position\": [
      1040,
      256
    ]
  }
}

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],
"id": "4ffa1039-4c25-4a76-afc8-22617fc9af9af",
"name": "Combine All Data"
},
{
  "parameters": {
    "jsCode": "// n8n JavaScript Code to Process and Return All Data in One Array\n// Combines all products and articles into a single array",
    "type": "n8n-nodes-base.code",
    "typeVersion": 2,
    "position": [
      1072,
      -176
    ],
    "id": "fa8c9d1d-8162-4769-a5f3-1aac13093865",
    "name": "Combine All Data1"
  },
  "type": "@n8n/n8n-nodes-langchain.agent",
  "typeVersion": 3.1,
  "position": [
    1200,
    -16
  ],
  "id": "41afdc5-0cf0-4196-b99f-b6af1f190305",
  "name": "Analyze all Data",
  "retryOnFail": true
},
{
  "parameters": {
    "options": {}
  },
  "type": "@n8n/n8n-nodes-langchain.lmChatGoogleGemini",
  "typeVersion": 1.1,
  "position": [
    1296,
    208
  ],
  "id": "9cb3fee1-70f5-4132-a6b3-6d904028b3d3",
  "name": "Google Gemini Chat Model2",
  "credentials": {
    "googlePalmApi": {
      "id": "gx8uBqASCGoxStNq",
      "name": "Google Gemini(PaLM) Api account 2"
    }
  }
},
{
  "parameters": {
    "jsCode": "const text = $input.first().json.output;\nconst buffer = Buffer.from(text, 'utf8');\nconst binaryData = {\n  data: buffer.toString(),
    "type": "n8n-nodes-base.code",
    "typeVersion": 2,
    "position": [
      1472,
      176
    ],
    "id": "c943bb0c-aeb8-4170-ba4e-9dc06374be5c",
    "name": "Download HTML File"
  },
  "type": "n8n-nodes-base.code",
  "typeVersion": 2,
  "position": [
    1376,
    -240
  ],
  "id": "b1a9516f-4cd0-4a3b-8cf8-9518d51ab0ba",
  "name": "Clean AI Output"
},
{
  "parameters": {
    "html": "{{ $json.cleaned_minified_html }}"
  },
  "type": "n8n-nodes-base.html",
  "typeVersion": 1.2,

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    "position": [
      1696,
      176
    ],
    "id": "2fbee8c-3054-4d7f-87d0-114f02c5ed7f",
    "name": "See HTML Output here"
  }
],
"pinData": {},
"connections": {
  "When chat message received": {
    "main": [
      [
        {
          "node": "Find User Intent",
          "type": "main",
          "index": 0
        }
      ]
    ]
  },
  "Google Gemini Chat Model": {
    "ai_languageModel": [
      [
        {
          "node": "Find User Intent",
          "type": "ai_languageModel",
          "index": 0
        }
      ]
    ]
  },
  "Simple Memory": {
    "ai_memory": [
      [
        {
          "node": "Find User Intent",
          "type": "ai_memory",
          "index": 0
        }
      ]
    ]
  },
  "Find User Intent": {
    "main": [
      [
        {
          "node": "Code in JavaScript",
          "type": "main",
          "index": 0
        }
      ]
    ]
  },
  "Code in JavaScript": {
    "main": [
      [
        {
          "node": "If",
          "type": "main",
          "index": 0
        }
      ]
    ]
  },
  "If": {
    "main": [
      [
        {
          "node": "RSS Read",
          "type": "main",
          "index": 0
        },
        {
          "node": "RSS Read1",
          "type": "main",
          "index": 0
        },
        {
          "node": "RSS Read2",
          "type": "main",
          "index": 0
        },
        {
          "node": "RSS Read3",
          "type": "main",

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```

        "index": 0
    },
    {
        "node": "Find URLs",
        "type": "main",
        "index": 0
    }
],
[
    {
        "node": "Basic LLM Chain",
        "type": "main",
        "index": 0
    }
]
],
"Google Gemini Chat Model1": {
    "ai_languageModel": [
        [
            {
                "node": "Basic LLM Chain",
                "type": "ai_languageModel",
                "index": 0
            }
        ]
    ]
},
"RSS Read3": {
    "main": [
        [
            {
                "node": "Merge RSS Feeds",
                "type": "main",
                "index": 3
            }
        ]
    ]
},
"RSS Read": {
    "main": [
        [
            {
                "node": "Merge RSS Feeds",
                "type": "main",
                "index": 0
            }
        ]
    ]
},
"RSS Read1": {
    "main": [
        [
            {
                "node": "Merge RSS Feeds",
                "type": "main",
                "index": 1
            }
        ]
    ]
},
"RSS Read2": {
    "main": [
        [
            {
                "node": "Merge RSS Feeds",
                "type": "main",
                "index": 2
            }
        ]
    ]
},
"Merge RSS Feeds": {
    "main": [
        [
            {
                "node": "Split RSS Feeds",
                "type": "main",
                "index": 0
            }
        ]
    ]
},
"Split RSS Feeds": {
    "main": [
        [

```

```

        {
            "node": "Filter - Recent Times",
            "type": "main",
            "index": 0
        }
    ]
},
"Filter - Recent Times": {
    "main": [
        [
            {
                "node": "Google Search",
                "type": "main",
                "index": 0
            },
            {
                "node": "Merge",
                "type": "main",
                "index": 2
            }
        ]
    ]
},
"Find URLs": {
    "main": [
        [
            {
                "node": "Amazon Scraper",
                "type": "main",
                "index": 0
            }
        ]
    ]
},
"Amazon Scraper": {
    "main": [
        [
            {
                "node": "Amazon Products",
                "type": "main",
                "index": 0
            },
            {
                "node": "wait",
                "type": "main",
                "index": 0
            }
        ]
    ]
},
"wait": {
    "main": [
        [
            {
                "node": "Amazon Collections",
                "type": "main",
                "index": 0
            }
        ]
    ]
},
"Amazon Products": {
    "main": [
        [
            {
                "node": "Get HTML Content",
                "type": "main",
                "index": 0
            }
        ]
    ]
},
"Get HTML Content": {
    "main": [
        [
            {
                "node": "Get Amazon Product detail",
                "type": "main",
                "index": 0
            }
        ]
    ]
},
"Amazon Collections": {
    "main": [

```

```

    [
      {
        "node": "Get HTML of website.",
        "type": "main",
        "index": 0
      }
    ]
  ],
  "Get HTML of website.": {
    "main": [
      [
        {
          "node": "Extract HTML Content",
          "type": "main",
          "index": 0
        }
      ]
    ]
  },
  "Extract HTML Content": {
    "main": [
      [
        {
          "node": "Make Amazon accessible URL1.",
          "type": "main",
          "index": 0
        }
      ]
    ]
  },
  "Make Amazon accessible URL1.": {
    "main": [
      [
        {
          "node": "Split URLs1",
          "type": "main",
          "index": 0
        }
      ]
    ]
  },
  "Split URLs1": {
    "main": [
      [
        {
          "node": "URL-wise HTML gather",
          "type": "main",
          "index": 0
        }
      ]
    ]
  },
  "URL-wise HTML gather": {
    "main": [
      [
        {
          "node": "Amazon Scraper2",
          "type": "main",
          "index": 0
        }
      ]
    ]
  },
  "Get Amazon Product detail": {
    "main": [
      [
        {
          "node": "Merge",
          "type": "main",
          "index": 0
        }
      ]
    ]
  },
  "Amazon Scraper2": {
    "main": [
      [
        {
          "node": "Merge",
          "type": "main",
          "index": 1
        }
      ]
    ]
  },
},

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"Google Search": {
  "main": [
    [
      {
        "node": "Merge",
        "type": "main",
        "index": 3
      },
      {
        "node": "Combine All Data",
        "type": "main",
        "index": 0
      }
    ]
  ]
},
"Merge": {
  "main": [
    [
      {
        "node": "Combine All Data1",
        "type": "main",
        "index": 0
      }
    ]
  ]
},
"Combine All Data1": {
  "main": [
    [
      {
        "node": "Analyze all Data",
        "type": "main",
        "index": 0
      }
    ]
  ]
},
"Google Gemini Chat Model2": {
  "ai_languageModel": [
    [
      {
        "node": "Analyze all Data",
        "type": "ai_languageModel",
        "index": 0
      }
    ]
  ]
},
"Analyze all Data": {
  "main": [
    [
      {
        "node": "Clean AI Output",
        "type": "main",
        "index": 0
      }
    ]
  ]
},
"Clean AI Output": {
  "main": [
    [
      {
        "node": "Download HTML File",
        "type": "main",
        "index": 0
      }
    ]
  ]
},
"Download HTML File": {
  "main": [
    [
      {
        "node": "See HTML Output here",
        "type": "main",
        "index": 0
      }
    ]
  ]
}
},
"active": false,
"settings": {
  "executionOrder": "v1",

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    "binaryMode": "separate"
  },
  "versionId": "52eb2a19-1563-4ecc-949a-1f0fbe8f16d3",
  "meta": {
    "templateCredsSetupCompleted": true,
    "instanceId": "515599fc1d88370ec281dbb2eed9312b9f05fe71a211a90430fb41151501fdb"
  },
  "nodeGroups": [],
  "id": "FI52J2i8lGmaEtHo",
  "tags": []
}
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