

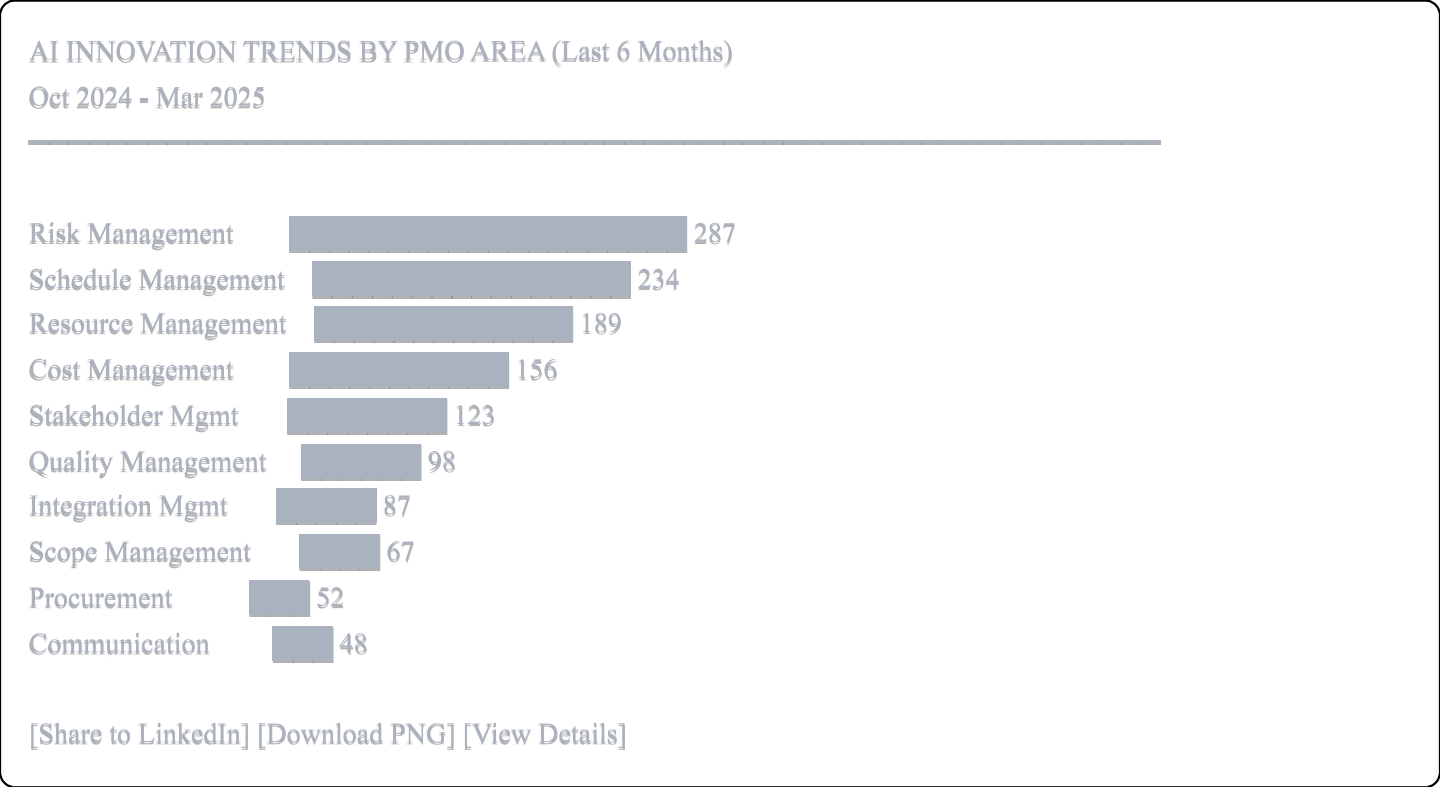
PMO Trends Chart & Feature Implementation Guide

Feature 1: Monthly PMO Trends Chart (6-Month View)

Concept

Interactive chart showing AI innovation trends across PMBOK knowledge areas over the past 6 months. Updates daily with rolling 6-month window.

Visual Design



Technical Implementation

Database Query

```
sql
```

```
-- Get 6-month rolling trends by PMBOK area
```

```
SELECT
```

```
    pmo_area,
```

```
    COUNT(*) as article_count,
```

```
    MONTH(publish_date) as month,
```

```
    YEAR(publish_date) as year
```

```
FROM newsletter_content
```

```
WHERE
```

```
    publish_date >= DATE_SUB(CURDATE(), INTERVAL 6 MONTH)
```

```
    AND pmo_relevance_score >= 7 -- High quality only
```

```
GROUP BY pmo_area, YEAR(publish_date), MONTH(publish_date)
```

```
ORDER BY article_count DESC;
```

Tech Stack

- **Frontend:** Chart.js or Recharts (React)
- **Data Format:** JSON endpoint (`/api/pmo-trends.json`)
- **Update Frequency:** Daily at midnight (regenerate chart data)
- **Caching:** 24-hour cache to reduce server load

Chart Configuration

```
javascript
```

```
// Chart.js configuration
{
  type: 'bar',
  data: {
    labels: ['Risk Mgmt', 'Schedule', 'Resource', 'Cost', 'Stakeholder',
      'Quality', 'Integration', 'Scope', 'Procurement', 'Communication'],
    datasets: [{
      label: 'AI Articles (Last 6 Months)',
      data: [287, 234, 189, 156, 123, 98, 87, 67, 52, 48],
      backgroundColor: 'rgba(0, 245, 255, 0.7)', // Cyan gradient
      borderColor: 'rgba(0, 245, 255, 1)',
      borderWidth: 1
    }]
  },
  options: {
    responsive: true,
    indexAxis: 'y', // Horizontal bars
    plugins: {
      title: {
        display: true,
        text: 'AI Innovation Trends by PMO Area (Last 6 Months)'
      },
      tooltip: {
        callbacks: {
          afterLabel: function(context) {
            return 'Click to see articles';
          }
        }
      }
    }
  }
}
```

LinkedIn Sharing Integration

How It Works

LinkedIn doesn't have a direct "post to feed" API for regular users. Instead, you have two options:

Option 1: LinkedIn Share Dialog (Recommended - No API Key Needed)

User clicks "Share to LinkedIn" → Opens pre-populated LinkedIn share dialog

javascript

```
function shareToLinkedIn() {  
  // Generate shareable image URL  
  const imageUrl = 'https://smartpmo.ai/charts/pmo-trends-2025-03.png';  
  
  // Pre-written post text  
  const text = encodeURIComponent(  
    '📊 AI Innovation in PMO: 6-Month Trends\n\n' +  
    'Risk Management leads with 287 AI innovations, followed by Schedule (234) and Resource Management (189).\n\n' +  
    'The PMO landscape is transforming. Are you keeping up?\n\n' +  
    'Data from @SmartPMO.ai\n\n' +  
    '#PMO #AI #ProjectManagement #PMBOK'  
  );  
  
  // LinkedIn share URL  
  const linkedInUrl = `https://www.linkedin.com/sharing/share-offsite/?url=https://smartpmo.ai/trends?utm_source=linkedin&utm_medium=organic&utm_campaign=AI+Trends+2025`;  
  
  // Open in new window  
  window.open(linkedInUrl, '_blank', 'width=600,height=600');  
}
```

What happens:

1. User clicks "Share to LinkedIn" button
2. Opens LinkedIn in new window with URL pre-filled
3. User adds their own commentary (LinkedIn requires this)
4. LinkedIn auto-generates preview from your page's Open Graph tags
5. User clicks "Post" on LinkedIn

Option 2: LinkedIn API (Requires User Authentication)

Only use if you want automated posting without user interaction

Requirements:

- LinkedIn Developer App
- OAuth 2.0 authentication
- User grants permission
- Each user must authenticate separately

javascript







// Not recommended for general use - requires OAuth flow

```
async function postToLinkedInAPI(accessToken, imageUrl, text) {
  const response = await fetch('https://api.linkedin.com/v2/ugcPosts', {
    method: 'POST',
    headers: {
      'Authorization': `Bearer ${accessToken}`,
      'Content-Type': 'application/json',
    },
    body: JSON.stringify({
      author: `urn:li:person:{userId}`,
      lifecycleState: 'PUBLISHED',
      specificContent: {
        'com.linkedin.ugc.ShareContent': {
          shareCommentary: {
            text: text
          },
          shareMediaCategory: 'IMAGE',
          media: [{
            status: 'READY',
            originalUrl: imageUrl
          }]
        }
      },
      visibility: {
        'com.linkedin.ugc.MemberNetworkVisibility': 'PUBLIC'
      }
    })
  });
}
```

⚠ Complexity:

- Requires OAuth flow (user login)
 - Token management
 - LinkedIn app approval process
 - Rate limits
-

RECOMMENDED APPROACH: Share Dialog + Open Graph

Why this is better:  No API keys needed  No user authentication  No rate limits  User can add personal commentary  More authentic (not automated spam)  Works immediately

Implementation:

Step 1: Add Open Graph Tags to Your Page

html

```
<!-- In your index.html <head> -->
<meta property="og:title" content="AI Innovation Trends in PMO - 6 Month Analysis" />
<meta property="og:description" content="Risk Management leads with 287 AI innovations. See which PMBOK areas are be" />
<meta property="og:image" content="https://smartpmo.ai/charts/pmo-trends-current.png" />
<meta property="og:url" content="https://smartpmo.ai/trends" />
<meta property="og:type" content="website" />

<!-- Twitter Card tags (bonus) -->
<meta name="twitter:card" content="summary_large_image" />
<meta name="twitter:title" content="AI Innovation Trends in PMO" />
<meta name="twitter:
```